



REGISTERED AS A NEWSPAPER

TELEPHONE: CENTRAL 3617
TELEGRAMS: "CHEMICUS,
CANNON, LONDON" (2 Words)

PUBLISHED WEEKLY AT 42 CANNON STREET, LONDON, E.C.4.

SUBSCRIPTION (WITH
DIARY) 20/- PER ANNUM
SINGLE COPIES 9d.

No. 2553.

JANUARY 12, 1929.

Vol. CX.



THE BEST HOUSE FOR ALL PHARMACEUTICAL PRODUCTS

Proprietors of the "Silver Churn" Dairy Preparations

OLDFIELD, PATTINSON & Co.
TELEGRAMS: "OPIUM."
PHONES: City 984 & 4033. **MANCHESTER**

Do the right thing this winter

SELL

"TORCH"  BRAND

Extract of Malt & Cod-Liver Oil

and avoid price cutting

REDUCTION IN WHOLESALE PRICES

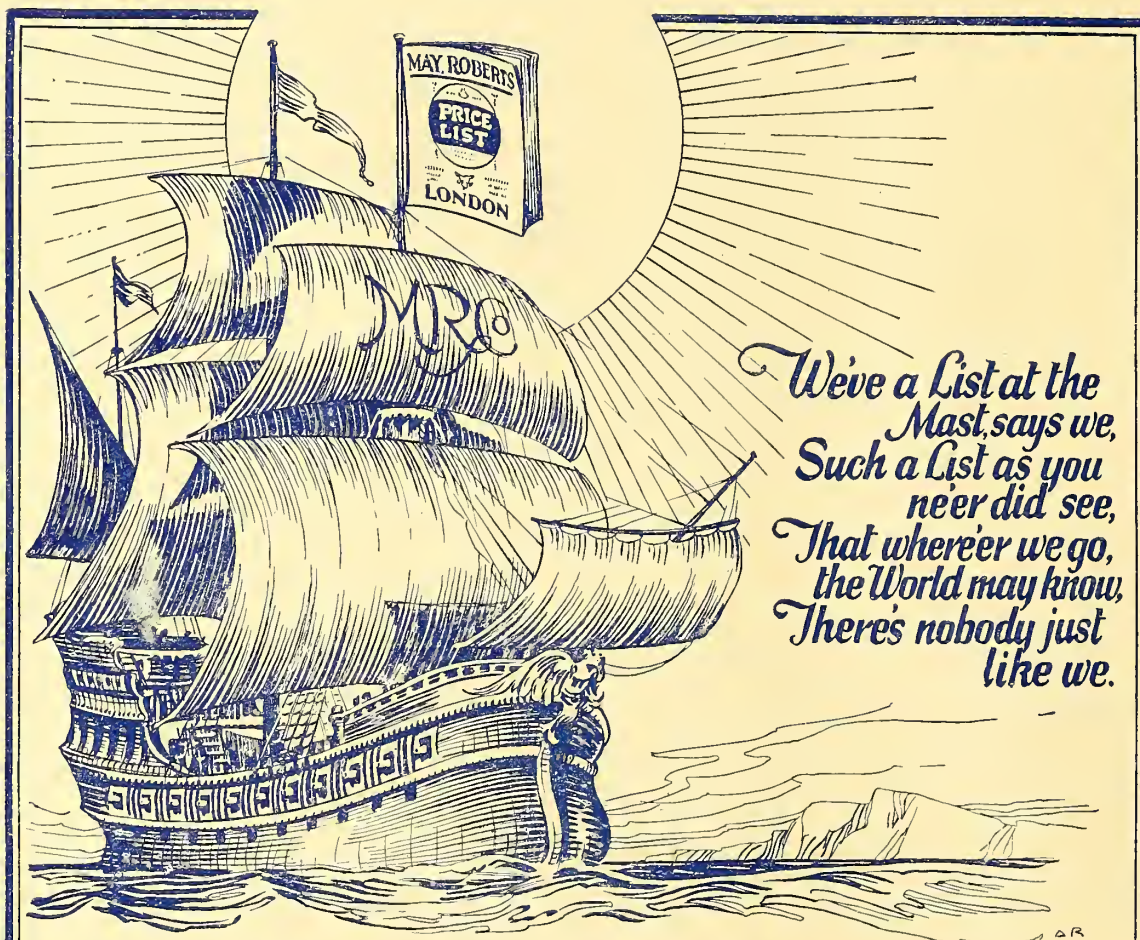
(No reduction in selling prices)

On the P.A.T.A.

$\frac{1}{2}$ lbs.	1 lbs.	2 lbs.	4 lbs.	7 lbs.
7/4 $\frac{1}{2}$	11/-	19/6	36/6	61/9

Write for special Contract Prices

ALLEN & HANBURYS Ltd., Bethnal Green, London, E. 2



*We've a List at the
Mast, says we,
Such a List as you
ne'er did see,
That where'er we go,
the World may know,
There's nobody just
like we.*

OUTWARD BOUND

May Roberts Catalogue is out again and a copy is at your disposal, if you will write for it now. The Sundries & Packed Goods Sections are very fully illustrated, while the Proprietaries' Section gives an almost exhaustive list of Patent Medicines, Food etc. It is the Retail Pharmacists' Buying Guide, and it is

Yours for a Postcard!

MAY, ROBERTS & CO. LTD.

7-13, CLERKENWELL ROAD, E.C.1.

P.O. BOX 157

Also at LIVERPOOL, PLYMOUTH and DUBLIN.

NESTLE'S EXPORT

BROWN AND WHITE

FRUIT SALT

THE WORLD-FAMED PLEASANT COOLING IN VIOLETT

J. C. ENO, LTD. "FRUIT SALT" WORKS, LONDON, S.E. 14

KEEP WELL STOPPED AND IN A DRY PLACE

"FRUIT SALT"

ORIGINAL BLEND OF FRUIT SALT DRINK OF FRESHNESS AND OLD HALF A CENTURY

GOOD TIP

First thing every morning!

Remember the Profit ENO earns

AURORAL

Cold Water Dyes

A Star Product British Made for Empire Use

These famous Cold Water Dyes for Silks and Delicate Fabrics have earned an Empire-wide reputation for their reliability and the pure, rich quality of the wealth of beautiful shades in which they are available. They are a sheer triumph for the art of British Dye Making and may be recommended by Chemists to their Customers with complete confidence.

It should be noted that the price for Auroral Dyes quoted below is subject, together with Luton Straw Hat Dyes and all other Whitaker Products, to the following Special "Jubilee" Discounts. On an order, mixed or otherwise, value £4 and upwards, 2½%, with a further 5% for cash against invoice. Orders to the value of £8 and upwards, 5% with a further 5% for cash against invoice.

Made in the following Shades :

Flesh, Lavender, Jade Green, Rose, Emerald, Apricot, Pale Blue, Mastic, Silver Grey, Mauve, Shell Pink, Apple (Almond), Green, Peach, Eau-de-Nil, Cherry, Lemon, Cream, Brick, Navy Blue, Golden Brown, Dark Green, Kingfisher Blue, Fawn, Old Rose, Saxe Blue, Mulberry, Flame, Heliotrope, Champagne and Primrose.

PRICE 4/- PER DOZEN PACKETS

(Subject to Special Discounts above.)

RETAIL P.A.T.A. 6d. PER PACKET.

LUTON STRAW HAT DYES

**A Special Non-Inflammable Series
is supplied for Export.**

In addition to the well-known Standard Product for the Home Trade—LUTON STRAW HAT DYES are specially manufactured in a *Non-Inflammable* Series for the Foreign and Colonial Markets.

Full particulars of this Series and Export Prices and Terms for both Luton Straw Hat Dyes and Auroral Cold Water Dyes will be sent immediately on receipt of application to :

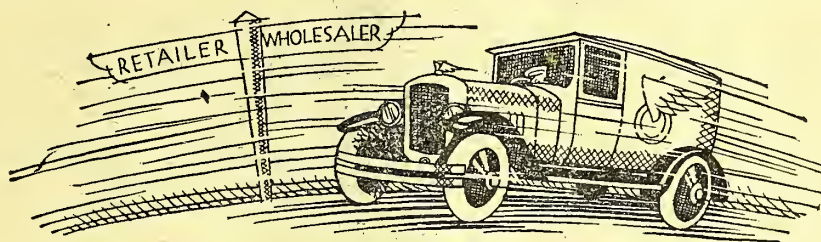
WHITAKER & CO., DYE SPECIALISTS, KENDAL

Telegrams: "Dulette, Kendal."
London Office
and Showrooms:

Established 1878.

16-18 BEAK STREET, REGENT STREET, W.1

Telephone: 214.
Telephone:
Regent 3825.



Hand-to-Mouth Buying

WHETHER WE LIKE IT OR NOT, we are all bound to recognise that hand-to-mouth buying has come. Manufacturers may complain about it in anger or sorrow; they may write against it, if they choose, but they can't alter it. It has come to stay, because from the retailers' side it is financially sound.

But who makes hand-to-mouth buying a practicable policy for the retail chemist? Only his wholesalers, who carry ample stocks of everything to supply what the chemist wants, *when* he wants it.

The ease and expedition with which the chemist can procure his requirements in patents, drugs and sundries is a tribute to the enterprise of the Wholesale Drug Trade. *They* have exploited the possibilities of modern transport in a successful endeavour to organise a service probably unequalled in any other industry.

This service can save you money. It makes hand-to-mouth buying practical politics. It enables you to curtail your stocks and reduce your capital costs. Depreciation, obsolescence and capital costs can all be cut down to a minimum by the chemist who makes full use of the service offered by the Wholesale Drug Trade.

BECAUSE THEY BELIEVE THAT GOOD WHOLESALE SERVICE HELPS BOTH MANUFACTURER AND RETAILER, THIS ADVERTISEMENT IS

ISSUED BY

Vernon & Company Ltd

*Manufacturers, Bleachers & Medicators
of Surgical Dressings*

PENWORTHAM MILLS, PRESTON, LANCS

JAN. to DEC. SERVICE

A to Z REQUIREMENTS

William Edwards & Sons offer you the most prompt and complete attention to all your instructions

**SUNDRIES, PACKED GOODS, PROPRIETARIES,
TOILET SPECIALITIES, PERFUMERY**

~~~~~

Every effort  
made to  
satisfy  
you.

~~~~~



~~~~~

Morning post  
stock orders  
sent out  
same day

~~~~~

Write for Complete Illustrated Catalogue

*We are in a position to act as Agents
for proprietaries, etc., of repute.*

*Our delivery service is exceptional and we
are able to introduce new lines to a
favourable market. Correspondence invited.*

WILLIAM EDWARDS & SONS

14-18 NILE ST., CITY RD., LONDON, N.1

INDEX TO ADVERTISERS

Acelta Capping Co., Ltd. (Bottle Caps)	26	Bronnley, H., & Co., Ltd. (Toilet Scaps, &c.)	35	Ford, Shapland & Co., Ltd. (Printing)	xxvii
Agfa, Ltd. (Photographic Chemicals)	33	Brook, Parker & Co., Ltd. (Dutch Drops)	36	Frankenberg, L. (Razor Blades)	22
Allen & Hanburys, Ltd. (Cod Liver Oil and Malt)	Cover	Burge, Warren & Ridgley, Ltd. (Surgical Rubber Goods)	36	Franklin, J. G., & Son, Ltd. (Soothers, &c.)	28
Anglo-American Oil Co., Ltd. (Nujol)	32	Burkett, Sharp & Co., Ltd. (Chemicals)	vi	Fulford, C. E., Ltd. (Peps, &c.)	xi
Arcos, Ltd. (Santonin)	vii	Burrough, J., Ltd. (Alcohol)	Page	Fuller, R. L., & Co., Ltd. (Quinine Salts)	viii
Armstrong Cork Co., Ltd. (Corks)	24	Burroughs Wellcome & Co. (First Aid Outfits)	39	Gambles, J. C., & Co., Ltd. (Bancilla)	36
Association of Manfg. Chemists, Ltd. Col. Supp.		Burt, Boulton & Haywood, Ltd. (Disinfectants)	40	Gardner, W., & Sons (Glos.), Ltd. (Machinery)	xxvi
Auto-Dore, Ltd. (Automatic Vending Machine)	25	Carr & Co., Ltd. (Bath Rusks)	xxii	Garfield Tea Co.	xii
Avery, W. & T., Ltd. (Weighing Machines)	38	Christy, T., & Co. (Pyshan Points Tea, Grips Pastilles)	36-xiii	Gibbs, D. & W., Ltd. (Toilet Preps.)	21
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists)	15	Clayton Aniline Co., Ltd. (Pharm. Specialities)	iii	Gilmont Products, Ltd. (New Mix Tooth Paste)	9
Ayrton, Saunders & Co., Ltd. (Bush Measures)	26	Cook, Geo. (Shopfittings)	27	Glass Products, Ltd. (Bottles, &c.)	27
Bandoeng Quinine Factories	x	Cooper, Son & Co., Ltd. (Cachets)	xxii	Gollin & Co. Pty., Ltd. ("Aspro")	xvii
Barker, R. W., & Co.	Leader Page	Cox, Arthur H., & Co., Ltd. (Chest-nuts)	xxx	Gough, Kidston & Co. (Petroleum Jelly, &c.)	xxiv
Beechams Pills, Ltd. (Veno's Cough Cure, &c.)	xii	Cussons, Sons & Co., Ltd. (Toilet Specialities)	19	Gower, John (Books)	Col. Supp.
Bell, John, Hills & Lucas, Ltd. (Pharm. Preps.)	36	Dearborn (1923), Ltd. (Toilet Preps.)	20	Grout & Co., Ltd. (Crêpe Bandages)	29
Bengué & Co., Ltd. (Bengué's Balsam)	xii	Debacq & Harrop (Toilet Preps.)	23	Hackett, S. E. (Film Overstocks)	Col. Supp.
Berdoo & Fish (Valuers, &c.) Col. Supp.		Dee Oil Co., Ltd. (Petroleum Jelly)	xxvii	Haller & Phillips, Ltd. (Glycerine)	ii
Berg, E., Ltd. (Shopfittings) Col. Supp.		Deshell Laboratories, Ltd. (Petrol-agar)	xiv	Hampshire, F. W., & Co., Ltd. (Snowfire Cream)	xvi
Berners Proprietaries, Ltd. ("Darting" Products)	Leader Page	Dick, W. B., & Co., Ltd. (Liquid Paraffin)	xxv	Harper, C. W. (Bottles)	26
Bcots Pure Drug Co., Ltd. (Chemicals, &c.)	ix	Dudley & Co., Ltd. (Sale Tickets, &c.)	26-xxvi	Harris, Hart & Co., Ltd. (Glauber Salts, &c.)	vi
Brady & Martin, Ltd. (Galenicals, &c.)	viii	Duncan, Flockhart & Co. (Vaccines)	ii	Henry, T. & W. (Calcined Magnesia)	x
Braun, H. W. (Chemical Products)	vii	Edme, Ltd. (Malt Extract, &c.)	xx	Heppells, Ltd. (Urodonal)	34
Bredt, W. (Dr. Thilo's Preps.)	xii	Edwards, Wm., & Sons (Toilet Requisites)	4	Hewlett, C. J., & Son, Ltd. (Hot Water Bottle Covers)	28
Brewsters (Overalls)	xxviii	Eno, J. C., Ltd. (Eno's Fruit Salt)	1	Hill, Thos., Engineering Co. (Hull), Ltd. (Bottle Washing Machinery)	xxvi
British Aluminium Co., Ltd. (Aluminium Containers)	30	Fairy Dyes, Ltd. (Home Dyes)	xxix	Hindes, Ltd. (Hair Brushes)	22
British Diamalt Co. (Extract of Malt)	xxii	Felling Zinc Oxide Co. (Zinc Oxide)	iv	Hobson, Trimble & Co., Ltd.	26
British Drug Houses, Ltd. (Radio-malt)	Cover	Fennings, A. (Children's Cooling Powders)	Leader Page	Hollandische Melksuikerfabriek	xvi
British Optical Institute, Ltd.	33	Fink, F., & Co. (Gums)	36	Holophane, Ltd. (Scientific Lighting)	14
British Quain Sunlight, Ltd.	29	Foodstuffs, Irradiation Co., Ltd.	xxi	Hopkin & Williams, Ltd. (Chemicals)	ii
British Thomson-Houston Co., Ltd. (Mazda Lamps)	33			Hough, Hoseason & Co., Ltd. (Manfg. Chemists)	Cover

[Continued overleaf.]



A Notable Window Display

Display terms are available
through all Wholesalers.

"You can't pass it without looking"

—A chemist's comment.

VIVID—full of character—emphasising your professional standing—this unusual screen will give your next window display exceptional force and individuality.

Write to-day for special window display terms to "Sales Manager":

KAY BROTHERS LTD.
Manufacturing Chemists, STOCKPORT.

A quarter-million direct-to-user sample distribution is sending customers to chemists for Kayloid Compound Linseed Tablets. PROFIT . . 50% on cost.

Retail 9d. per tin. Wholesale
6/- per outer of one dozen tins.



INDEX—cont.

Hovenden, R., & Sons, Ltd. (Toilet Soaps)	10	National Union of Drug & Chemical Workers	Col. Supp.	Sherborne, T., & Co., Ltd. (Surgical Appliances)	36
Hubbuck, T., & Son, Ltd. (Oxide of Zinc)	viii	Nestle, C., & Co., Ltd. (Radion Shampoo)	18	Sherley, A. F., & Co. (1928), Ltd. (Dog and Cat Medicines)	xxviii
Iglodine Co., Ltd. (Iglodine)	xiv	Newbery, F., & Sons, Ltd. (Service)	18	Sitora Refining Co., Ltd. (Liquid Paraffin, &c.)	xxv
Irving's Yeast Vite, Ltd.	xiv	Norwegian Cod Liver Oil	xxiii	Smith, J. M., & Co. (London), Ltd. (Disinfectants, &c.)	x
Johnson & Sons Mfg. Chemists, Ltd. (Galencials, &c.)	iii	Oldfield, Pattinson & Co. (Pharm. Preps.)	Cover	Smith, T. & H., Ltd. (Chemicals) ..	vi
Josephs, Percy R. E. (Shopfittings) ..	Col. Supp.	Ondura Tyre Works (Re-treading) ..	xxvi	South of England College	xxix
Josephs, Philip, & Sons (Shopfittings) ..	Col. Supp.	Oppenheimer, Son & Co., Ltd. (Robo-leine)	i	Standard Yeast Co., Ltd. ("Lyc" Yeast Tablets)	xx
Kay Bros., Ltd. (Compound Essence) ..	5	Orridge & Co. (Valuers, &c.) ..	Col. Supp.	Stern, H. C. (Geisha Toilet Paper) ..	22
Kerfoot, T., & Co., Ltd. (Throat Pastilles)	17	Parke, Davis & Co. (Cod Liver Oil) ..	xix	Sterns, Ltd. (Oils, Petroleum, &c.) ..	xxvii
Kilmer, Dr., & Co. (Swamproot)	xvi	Pastilles, Ltd. (Lakerol Pastilles) ..	xvi	Stokes, C. A., & Co., Ltd. (Ointments) ..	Leader Page
King, G., & Co., Ltd. (Foods)	33	Pazo Co. (Pill Boxes)	xxviii	Surgical Hosiery Co., Ltd.	28
King, J. C., Ltd. (Showcases, &c.) ..	26-32	Peck Bros. & Winch, Ltd. (Matté Tea)	Leader Page	Tatcho Tone Co. (Hair Preps.)	36
Kirby, Douglas & Co. (Razor Blades) ..	22	Perry & Hope, Ltd. (Phosphate of Soda)	36	Templer Chemical Works (Speton) ..	x
Lambert, L., & Co., Ltd. (Caramel) ..	Leader Page	Pharmaceutical Lanoline Co.	xxv	Templeton, J., & Co. (Kleu-Grez) ..	26
Lang, Jules, & Son (Bottles)	27	Poth, Hille & Co. (Ceresine Wax) ..	xxiv	Tolkien, C., & Co., Ltd. (Liquid Paraffin)	6
Lee, R. (Manicure Requisites)	20	Potter & Clarke, Ltd. (Wholesale Druggists)	37	United Chemists' Association, Ltd. (Ginger Wine Essence)	40
Lofthouse & Saltmer, Ltd. (Thermal Liniment)	xxviii	Promonta Co., Ltd. (Tonic Food) ..	xviii	United Glass Bottle Manufacturers, Ltd. (Medical Bottles)	12-13
London College of Pharmacy	xxix	Proprietors of Nonn, Ltd.	xv	Vernon & Co., Ltd. (Surgical Dressings)	3
Lorimer-Marshall, Ltd. (Pot Pourri) ..	23	Redgrave, Butler & Co. (Packed Goods, &c.)	iv	Wagner, R. V. (Bottle Caps)	27
McGlashan, D., Ltd. (Abdine)	36	Rendell, W. J. (Quinine Pessaries) ..	7	Waide, Thos., & Sons, Ltd. (Printers) ..	16
Marsden, C. C. (Valuer, &c.) Col. Supp.		Ridge's Food Co. (Infants' Food, &c.) ..	xxii	Walden, E. M., Ltd. (Surgical Ware, &c.)	28
Martin, Bob, Ltd. (Dog Medicines) ..	xxviii	Roberts & Sheppey (Mel Rose Tablets)	xviii	Walden, Walden & Co. (Toilet Preps.) ..	20
Matthews, D., & Sons (Shopfittings) ..	Col. Supp.	Roberts' Patent Filling Machine Co. ..	xxvi	Ward, T., & Sons, Ltd. (Blades)	22
Matthews Laboratories, Ltd. (Digtalis)	Leader Page	Robinson & Sons, Ltd. (Boxes) ..	30-xxviii	Warrington Chemical & Drug Co., Ltd. ..	vi
Maw, S., Son & Sons, Ltd.	11	Roebuck's Advertising Service (Wanie Blades)	22	Washington Chemical Co., Ltd. (Pat-tinson's Magnesia)	v
May, Roberts & Co., Ltd. (Catalo-ogue)	Cover	Rose, J. L., Ltd. (Pyrogallie Acid) ..	ii	Watts, J. (Safety Razor Blade Sharpener)	18
Meade-King, Robinson & Co., Ltd. (Petroleum Jelly, &c.)	xxiv	Rowland, A., & Sons, Ltd. (Macassar Oil)	18	Webster, T., & Co., Ltd. (Milk Bottle Cover Remover)	20
Midgley & Parkinson, Ltd. (Yeast Preps.)	xxii	Rudduck & Co. (Shopfittings) Col. Supp.		Westminster College of Pharmacy ..	xxix
Millar, A., & Co., Ltd. (Orange Wine) ..	36	Schering, Ltd. (Pharmaceutical Specialities)	Leader Page	Whitaker & Co. (Hat Dyes, House-hold Dyes)	2
Mond Staffordshire Refining Co., Ltd. (Monsol Prods)	31	Scott & Turner, Ltd. (Andrews Liver Salt)	xvi	Winchester Manfg. Co., Ltd. ("Wimaco" Surgical Goods) ..	36
Muir, W. S., & Co., Ltd. (Transparent Paper)	8	Scruton, O., & Co. (Nurse Harvey's Mixture)	26	Yadil Products (1925), Ltd.	xii
Murray, S., & Co., Ltd. (Vitreo Colloid Capping Solution)	24	Scurr, C. A. (Optical Tuition)	xxix	Zeal, G. H., Ltd. (Clinicals)	29
		Shadeine Co. (Hair Dyes)	36		
		Shawyer, A. J., & Co. (Developing, &c.)	33		

GOOD BUSINESS IS REPEAT BUSINESS

MAKE UP YOUR MIND TO STOCK ONLY

REMOGEN**LIQUID PARAFFIN. B.P.**

Which is guaranteed to be the finest produced.

UNBEATABLE PACK

Supplied in 4 oz., 6 oz., 8 oz., 12 oz., 16 oz., 24 oz. & 32 oz. sizes

*Write us without delay for particulars of Contract Prices. It will pay you.***C. TOLKIEN & CO. LTD.****REMOGEN WORKS - - - SILSDEN, YORKSHIRE.**

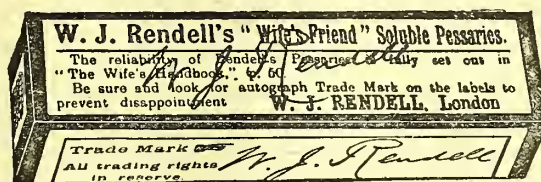
TELEGRAMS: "REMOGEN," STEETON.

LONDON: 'PHONE, 3539 FINCHLEY.

'PHONE: 69 STEETON.

First———50 years ago
Unequalled——To-day

RENDELL'S
SOLUBLE QUININE PESSARIES



Recommended by the Medical Profession.

Chemists in all parts of the country find that this preparation is selling better than ever because

The Public will not tolerate substitutes

Don't run the risk of disappointing a customer. Get a supply of "RENDELL'S" from your Wholesaler.

W. J. Rendell

Inventor and Sole Maker.

Interesting Literature can be obtained free upon request.

Fidac

SILVERINE

insoluble

Transparent Paper

WHITE, COLOURED, EMBOSSED, PRINTED.

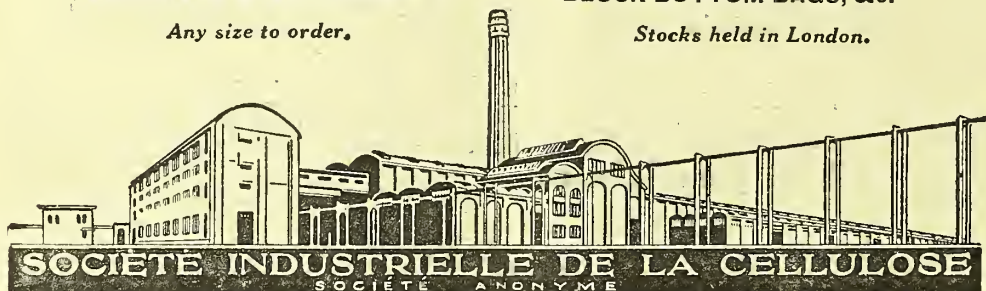
for protective wrapping of all goods.

TOOTH BRUSH ENVELOPES
PERFUME & SOAP WRAPPING

Any size to order.

SPONGE BAGS
BLOCK BOTTOM BAGS, &c.

Stocks held in London.



Samples & Competitive Prices from Sole Agents:

W. S. MUIR & Co. Ltd.

83, Upper Thames St.,

LONDON, E.C. 4.

Phones: City, 6164, 6165, 0667

A FEW OF THE STAFF OF NEW MIX DEMONSTRATORS



AT YOUR SERVICE

**WATCH
THIS PAGE
NEXT WEEK**

If you would like one of our expert demonstrators to show the public the very great advantages of New Mix in your own establishment and so help to increase your sales, please write for particulars to

**SALES MANAGER, GILMONT PRODUCTS LTD., WILLING BUILDING
356-364 GRAYS INN ROAD, LONDON, W.C.1**

NEW MIX

**Nature's
Dentifrice**

**No Soap
No Grit
No Drugs**

HOVENDEN'S BATH & TOILET SOAP



No. 4712a. Assorted colors and perfumes, boxed $\frac{1}{2}$ doz., $\frac{4}{9}$ doz. tablets. Also supplied in Coal Tar.

BATH SOAPS



No. 4621a. About $3\frac{1}{2}$ oz., boxed 1 doz. tablets, assorted perfumes, $\frac{3}{9}$ doz.; 43/- gross.



No. 4621.—Large size (about 7 oz.) assorted perfumes, boxed $\frac{1}{2}$ doz., $\frac{7}{6}$ doz.; 84/- gross.

TOILET SOAPS

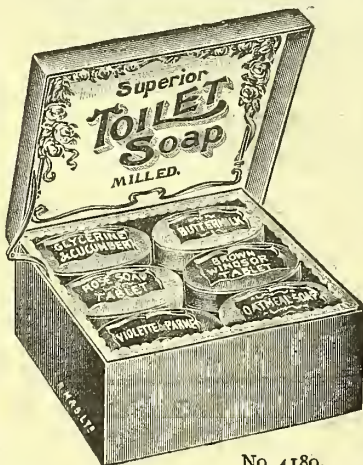
- | | |
|---|------|
| | doz. |
| No. 233 Curd .. | 2/10 |
| „ 232 Castile .. | 2/7 |
| „ 4180 Toilet Assorted, boxed 12's (as illus.) .. | 3/- |
| „ 4180a Ditto, ditto .. | 2/6 |
| „ 4180b Ditto, boxed 18's 2/- | |
| „ 4180a Coal Tar, boxed 12's .. | 2/6 |
| „ 4243 Buttermilk, ditto .. | 3/- |
| „ 4244 Oatmeal, ditto .. | 3/- |
| „ 4623 Boracic Oatmeal, large size .. | 3/9 |
| „ 5029 Violet, special do. | 3/9 |

Special quotations for quantities.

MEDICATED PINE TAR TOILET SOAP



Each tablet cellophane wrapped.
Packed in counter box of 1 doz. (as illus.) - 3/- doz.



No. 4180.

R. HOVENDEN & SONS, LTD.

LONDON : 29-33 Berners St., W.1 and 89-95 City Road, E.C.1
Telephone: Museum 2810 (3 lines.) Telephone: Clerkenwell 7801 (3 lines.)

Maw's Page

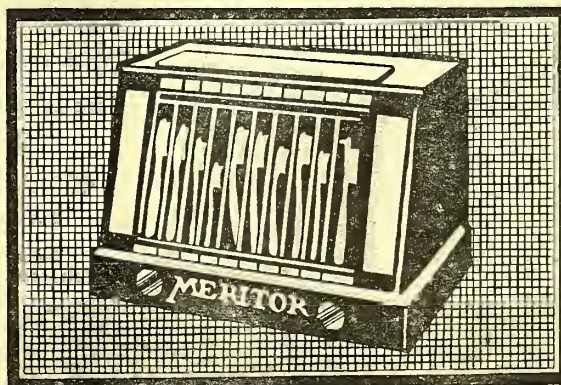
Signposts to Service

There are certain signs by which the buying public recognises the well-conducted, modern pharmacy; certain landmarks of efficiency and good service. One of them is the "Meritor" tooth brush display case.

The "Meritor" case has won for itself a permanent and prominent position on the counter of those pharmacies whose proprietors are sufficiently businesslike to place a high value on every inch of their display space. These men know from experience, the selling power of the case, the time it saves, the splendid impression it makes on the customer, the depreciation of stock it prevents and the actual addition to their tooth brush business it creates.

They know also, of course, the prestige that comes of selling the "Meritor" hand-made tooth brush, guaranteed by Maw's. They have learned that every sale means a satisfied customer and certain repeat orders.

It is for these reasons that the "Meritor" display case keeps its place of honour. Merit put it there; merit keeps it there. Has it that place in your pharmacy?



The "Meritor" display case is given free with orders for the eight dozen tooth brushes it contains. The wholesale value of the brushes is £5 13s. 6d.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.



The NEW U.G.B.

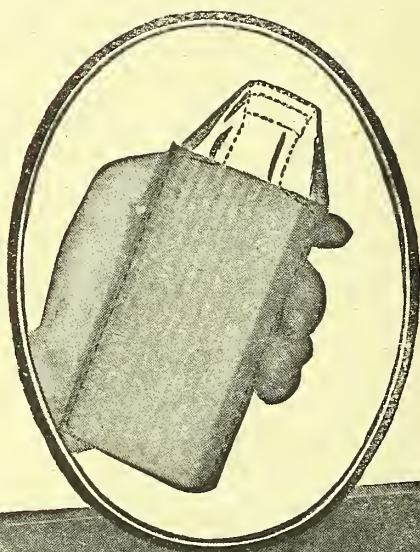
Washed & Sterilized

Will be available from

THE introduction of the "washed and sterilized—ready for use" medical bottle is yet another achievement accomplished by the United Glass Bottle Manufacturers, Ltd., in the service of the chemist and druggist.

The washing process is the severest test that can be given, and automatically sorts out any bottles that are not thoroughly annealed.

The special fibre cartons in which they are packed also make them more convenient in use and storage. They are a boon to every busy dispenser.



UNITED GLASS BOTTLE MANUFACTURERS • LIMITED

The biggest manufacturers of bottles and glass containers in Europe.

40/43, NORFOLK STREET,
STRAND, LONDON, W.C.2.

Telephone: CENTRAL 8080-8089 (10 lines.)
Telegrams: UNGLABOMAN, ESTRAND, LONDON.



MEDICAL BOTTLE *Service*

— ready for use

distributors by January, 1929.

CORK-MOUTH.

WASHED AND STERILIZED, PROTECTED
BY CORRUGATED PAPER SHELL.

Ready for immediate Use,

SCREW-MOUTH.

WASHED, STERILIZED AND CAPPED
READY FOR USE.

Complete with attractive blue enamelled metal
caps, fitted with waxed composition cork wads.

*Packed in sealed non-returnable standardized
fibre cartons in the following quantities only—*

1 oz. Packed	2 gross	per case
2 oz. "	1½	" "
3 oz. "	1	" "
4 oz. "	1	" "
6 oz. "	6 dozen	" "
8 oz. "	6	" "
10 oz. "	4	" "
12 oz. "	4	" "
16 oz. "	4	" "
20 oz. "	3	" "



WORKS:
Charlton, London; Castleford,
Yorks; St. Helens, Lancs.;
Hunslet, Leeds; Seaham Har-
bour, Durham.

*If your electric light
bulb could speak
it would say —*



**USE ME WITH
HOLOPHANE!**

An electric lamp without a Holophane Reflector is like a car wheel without a tyre—it cannot possibly develop anything like its full efficiency.

Holophane Reflectors have the finest reflecting surface in the world, and do not deteriorate with heat or age.

Every Holophane unit is the result of the scientific application of the laws of light and is the most perfect it is possible to obtain.

A shop lighted by Holophane Reflectors must be better lighted than any other. It is more pleasant to be in, shows its stock better, and permits of more efficient service being rendered to its customers.

Holophane Engineers will design a complete scientific system of lighting for a window, a department, or an entire store, without cost or obligation.

Get in touch with Holophane to-day.

Write to
HOLOPHANE
"the firm that made lighting a science"

and ask for a free copy of their twenty-four page illustrated booklet on *Shop-Lighting*. Every important branch is dealt with including Window-Lighting,

Colour-Lighting, the Holophane "Correctalite" (a new and wonderful unit of the Daylight type), etc., and many illustrations of actual installations are given.

HOLOPHANE LTD., 8 ELVERTON STREET, LONDON, S.W.1

*A cwt. and
in a
Week*

AYRTON'S COUGH CANDY

*Price now reduced
to enable you to sell at*

4¹/₂d per
QUARTER POUND

Scores of Chemists have sold over 1 cwt. of AYRTON'S Cough Candy over a week-end

DO YOU KNOW OF ANY OTHER QUICK SALE ARTICLE WHICH TURNS IN 100% profit on cost?

Costs you 9d. lb. Sells at 1/6 lb. = 100%, to say nothing of free Showjar, free Candy Bags, and Window Display

NEW TRADE PRICES—

Per lb.		11d.	—
28 lbs.	per lb.	10d.	100
56 lbs.	„	9½d.	200
112 lbs.	„	9d.	400

Free Bags

Sample 4-lb. box sent post free for 3/6

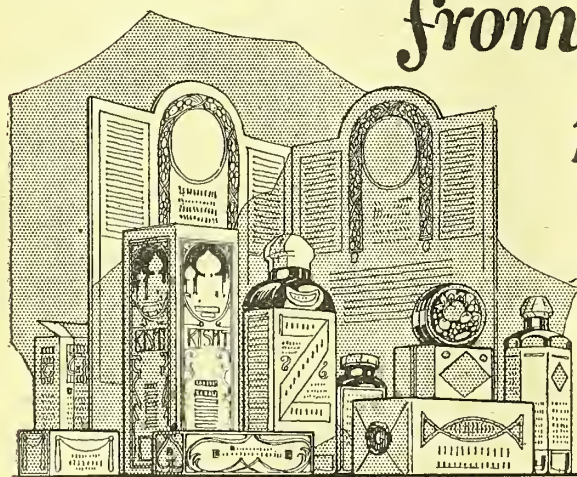
WINDOW DISPLAY WITH ALL ORDERS

AYRTON SAUNDERS & Co. LTD
34 Hanover Street LIVERPOOL

*Others
have
copied the
idea—but
they cannot
make the Candy*



*~and the same
with our printing~we'll buy
from the specialist*

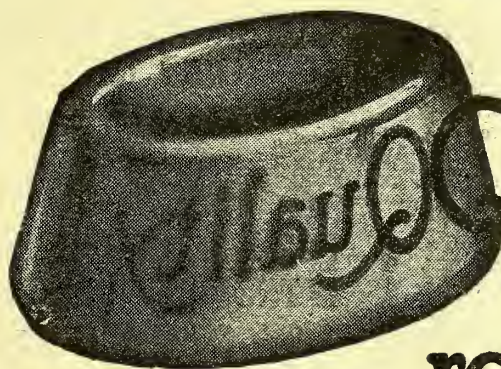


*A Chemists' Printer for Chemists'
Printing—that's the idea.*

No time is wasted in teaching Waides what we want. They know. They have had 50 years' experience in devising artistic printing for Chemists, and they are doing it better and better every year.

"Waide" Labels, Cartons, Showcards and Folders are pharmaceutically correct, as well as being tasteful and original in design.

THOMAS WAIDE & SONS LTD.
CHEMISTS' PRINTERS
DARLINGTON STREET, LEEDS.



Quality
is
reflected
in every aspect of
**Emulsion Antiseptic
Throat Pastilles** (*Kerfoot*)

THE EFFICACY of these Pastilles is proved by the growing demand after many years of public trial.

THE FORMULA includes no narcotics but consists of Menthol, Oil of Eucalyptus, Terebene, Norwegian Pine Oil, Licorice and Gum Arabic.

THE COATING is one which was invented by us many years ago. It is always pleasant to taste and smell.

THE FINISH is hard and glossy and literally reflects the high quality of the Pastilles themselves.

THE SELLING AIDS include large panel showcards, envelopes and cartons bearing Chemist's name, display stand and outers for "marble" tins, and an exceptionally striking window display. Illustrations, prices and other particulars on request.

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents:
Wm. ALFRED JONES Ltd., West India House, Liverpool.

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

C/861

COPYRIGHT

HEADS UP!

THE NEW WAY IN SHAMPOOING

What was the old way of shampooing? Heads held down almost the whole time the hair was being washed. How uncomfortable. How difficult to obtain a real cleansing of hair and scalp.

With Nestlé Radion Shampoo has come a revolution in shampooing. Indeed, it is more than a new shampoo. It is a scalp massage preparation and a hair tonic besides. It cleanses and beautifies the hair as no shampoo has ever done before. Women will quickly realise its advantages, and if you show it in your window you will sell more shampoos than ever before. Men, too, will use it. And mothers will buy it for the whole family.

Produced in liquid form, Nestlé Radion Shampoo is applied while the hair is dry and the head held in an upright, natural and comfortable position. It is massaged by the finger tips into the scalp and its tonic properties and cleansing agents penetrate into every pore. The whole head is then sprinkled with water and in a second is covered with luxurious lather, which, when rinsed, carries away every trace of dirt and grease. The hair is cleansed to the very roots, the scalp tingles with new life, and a glorious sensation of freshness and vitality is experienced.

Nestlé Radion Shampoo is certain of immediate and enthusiastic comment from every one of your customers. The retail price is 1s. 9d. per tube containing enough for twelve luxurious shampoos. The price to you is 14s. per dozen. Work this out, and you will find yourself with a handsome profit on every sale.

Every Chemist who orders not less than one dozen tubes of Nestlé Radion Shampoo will receive a special introductory bonus of quarter dozen tubes free of charge.

Send your order at once through your wholesaler while this offer remains open, or fill in and post the coupon below.

COUPON WORTH OVER 5/-



To C. Nestlé & Company,
Limited, 48 South Molton
Street, London, W.

Please send 1 dozen tubes
Nestlé Radion Shampoo at
14/- per dozen, together with
free bonus of 1/4 dozen tubes
and Nestlé Radion Shampoo
Show Card.

Name

Address

SUCCESS

WE CANNOT OFFER YOU
— BUT THE —

SERVICE

FOR ITS ACQUIREMENT
IS THE FIRST PRINCIPLE
OF OUR BUSINESS

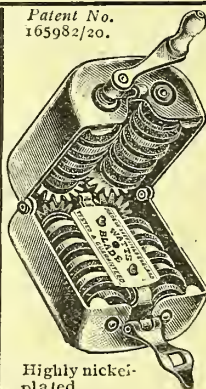
"NEWBERYS"
(F. NEWBERY & SONS LTD)

CHARTERHOUSE SQUARE,
LONDON, E.C.1

CARDIFF
CRICHTON PLACE

LIVERPOOL
COLLEGE LANE

Patent No.
165982/20.



Highly nickel-
plated.

A REMARKABLE BRITISH INVENTION

THE
"SPIRO"

SAFETY RAZOR BLADE SHARPENER

Every user of the "Watts" Safety Razor
Blades is a potential purchaser.

— STRONG AND SIMPLE —
No troublesome fixing. Drop blade on
two pegs, close box, turn handle and
— get a super-keen blade in a moment. —

Retails at 21/- each.

Suitable for any Gillette Type or
Watts Auto Strip Type Blades.

Allowing 50% profit on cost for the dealer.

Sole Manufacturer:
JOHN WATTS, Lambert Works, SHEFFIELD.
London Office & Showroom:
18 Soho Square, W.1. Phone: Gerrard 1306

For 135 years

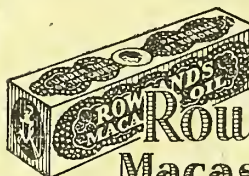
Rowland's Macassar Oil has been a
favourite dressing for the hair. It keeps
the hair healthy, and prevents the encroach-
ment of greyness and baldness.

Of all Wholesalers.

RETAIL

3/6, 7/- & 10/6

P.A.T.A.



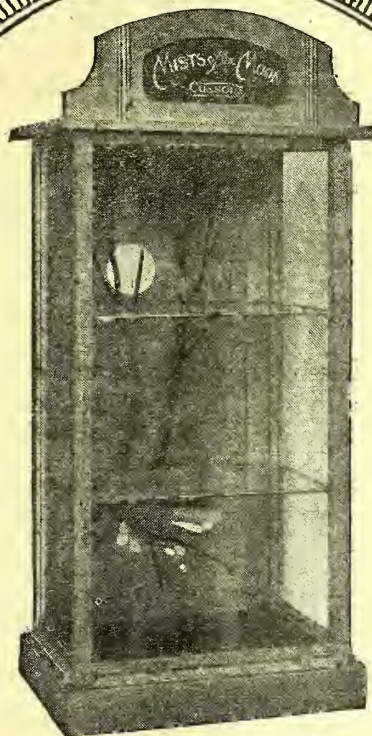
**Rowland's
Macassar Oil**

Red for
dark hair
Golden
for fair or
grey hair

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1



A perfect display
of "Mists of the
Moon" in a
delightful setting.
The showcase
measures 3 feet
high, 17 inches
wide, 12 inches
deep.



A beautiful show-
case, elegant in
appearance, with
glass front and
sides, two glass
shelves and richly
coloured hand-
painted back-
ground.

Free with orders of £10

(Supply strictly limited)

This charming showcase is supplied free with assorted orders
of £10 and upwards for the various items in our suite of

"Mists
(of the)
Moon"

Toilet Luxuries

Chemists wishing to take advantage of this
offer should place their orders at once
as all applications for showcases will
be dealt with in strict rotation. Only one
showcase can be supplied to any Pharmacy.

Write for our latest Catalogue
and Price List.

Cussons
KERSAL VALE, MANCHESTER

MERCOLIZED WAX

— : for the Complexion : —

and

STALLAX

— : a Shampoo : —

TWO substantial and well-advertised lines which show a handsome profit to the Retailer, and, moreover, may be stocked fearlessly owing to the Manufacturers' most liberal Sale or Return Guarantee.

Both are obtainable in two sizes, and their reputation and sterling value assure a steady turnover.

Order through your Wholesaler, or direct from:

DEARBORN (1923) LIMITED

37 GRAY'S INN ROAD,

LONDON, W.C.1.

AEROFUME

Regd.

Germicide, Disinfectant, Deodorant

"AEROFUME" is now in great demand, and it is highly recommended by most of the leading authorities for use in the home as a safeguard against contagion and infection.



**INVALUABLE AS
A DEODORANT**

The efficiency of "Aerofume" is certified by The Clinical Research Association, London.

IN BOTTLES—2/3, 3/6, 6/3, also complete with Spray 5/6 (asillus.) subject to 33%.

Obtainable from all usual wholesalers or from:

WALDEN, WALDEN & CO.
15 Grape St., New Oxford St., W.C.

Robert Lee

14 CALVERLEY GROVE,
UPPER HOLLOWAY,
LONDON, N.19

Specialist in

the manufacture of

**Orange Sticks
& Emery Boards**

BOXED, CARDED OR IN BULK
AT COMPETITIVE PRICES



WHOLESALE ONLY.

BUY BRITISH.

Phone : Mountview 7811.

"PRESTOP"

Milk COVER & Cardboard disc REMOVER



6d.

FITS ALL SIZES.

Manufacturers:
**T. WEBSTER
& CO., LTD.**

Diamine House,
Middle Lane,
Hornsey, London, N.3





Fresh News

of Gibbs Shaving Cream Victories in Beard Battles will win many Recruits in your Sector!

The 1929 Advertising presents the Gibbs Shaving Cream sales story in a strikingly original fashion. The whole campaign will be carried out in the form of a War on Beards. Newsy bulletins from the Front Line will make attractive "recruiting" propaganda. Newspaper "guns" capable of laying

Demonstrator Tubes

The plan is that, with every order you place for three dozen of Gibbs Shaving Cream, we agree to circularise 20 of your customers (whose names you will select and supply to us), sending each a Demonstrator Tube of Gibbs Shaving Cream. Our letter will mention you as their nearest source of supply for Gibbs Shaving materials. This ensures that all resultant business will come direct to you. In addition, you get Six Demonstrator

down a Circulation "barrage" of more than four million rounds a day will be used. As a result of this intensive effort, Whisker Groups on all Fronts will surrender en bloc to Gibbs Shaving Cream.

To make the campaign especially effective in your district we offer to send to your Customers.

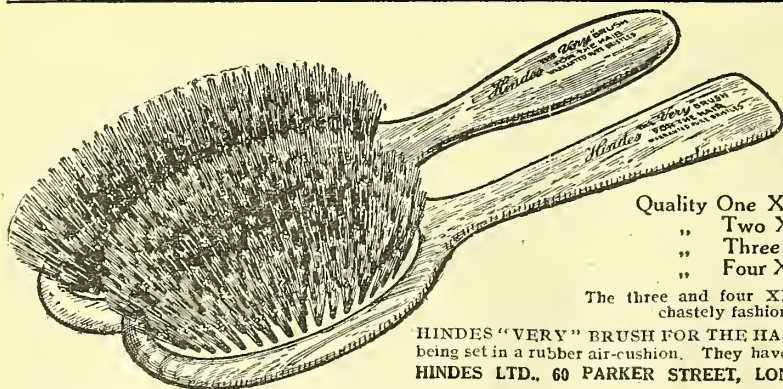
Tubes for your counter—with every three-dozen order.

So you have only to make an attractive display of Gibbs Shaving Cream in your window and shop to get your share of the new business this intensive advertising effort will create.

Order fresh supplies of Gibbs Shaving Cream and Gibbs Shaving Stick. You'll need plenty of munitions. D. & W. GIBBS, LTD., LONDON, E.1.

Gibbs Shaving Cream

The Cream of Shaves



HINDES "VERY" HAIR BRUSH

Quality One X	Sold at 7/6d. each.	TRADE PRICE 33 1/2%
" Two XX	" 10/6d. "	
" Three XXX	" 15/- "	
" Four XXXX	" 18/6d. "	

The three and four XXXX grade is made in Ebony or Rosewood, chastely fashioned in both oval and circular bodies.

HINDES "VERY" BRUSH FOR THE HAIR is guaranteed pure bristles, the multiple tufts being set in a rubber air-cushion. They have been known to the trade for nearly 40 years.
HINDES LTD., 60 PARKER STREET, LONDON, W.C.2. Works: BIRMINGHAM

A REMINDER!!

FILL UP your STOCKS of RAZOR BLADES

SPECIAL THIS WEEK	FOR	GILLETTE BLADES
	£2:3:4	20 pkts. of 5's ... 100
	Nett Cash.	AUTO VALET BLADES
	Carriage Paid.	6 pkts. of 5's ... 30
		EVER READY BLADES
		5 pkts. of 5's ... 25

PROMPT DESPATCH. KEEN PRICES.

Send for Price List (C) of Gillette, Auto Valet, Ever Ready, Kirbee, etc., Blades and Razors.

DOUGLAS KIRBY & CO.
ST. JOHN'S WORKS, GLOUCESTER.

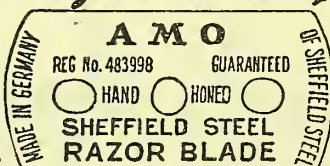
'Phone: 3113.

'Grams: "Kirbee, Gloucester."

Bankers: Midland Bank Ltd., Gloucester.

Nothing "As good as really" **FREE**
Else!

than the
Blade you
have been
looking
for



3 doz. Blades
with each
Cross
ordered.

"Good Blades can be" 8/- Per Gross
FREE TESTING SAMPLE UPON REQUEST. POST PAID.

ORDER NOW—IT PAYS BEST—GIVE "AMO" A TEST

L. FRANKENBERG, 125 Houndsditch LONDON, E.1

ESTD. 15 YEARS

TEL. AVENUE 8846

GEISHA CREPE
TOILET PAPER
de Luxe
SOFT DAINTY SOLUBLE
FULL STANDARD SIZE
PERFECTLY PERFORATED
Fits Standard Holder
NOW ONLY 5d PER ROLL

SOLD WIDELY
FOR THE PAST
23 YEARS

Obtainable
from all
Wholesale
Factors

Fine Wooden Cases
containing 144 Rolls

Write for Sample Roll.
Prices and Terms to:-

H.C. STERN
12 FARRINGTON AVENUE
LONDON E.C.4.
'PHONE: CENTRAL 3140

M.R.



A
**KEEN
BLADE
AT A
KEEN
PRICE**

The Blade that SELLS as it SHAVES—
"LIKE GREASED LIGHTNING!"

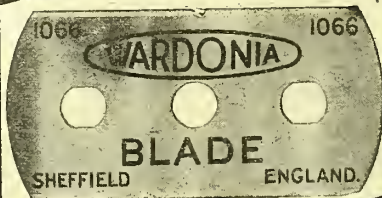
Obtainable from all Leading Wholesalers.
Inquiries from Genuine Wholesalers only are Invited.

Dept. C.D. "Wanie" Distributors:
c/o ROEBUCK'S ADVERTISING SERVICE
Salisbury Square House, Salisbury Sq., Fleet St., London, E.C.4

50% PROFIT!

RETAILS

3d. each
4 for 1/-



**ORDER
NOW!**

THOMAS WARD & SONS LTD. SHEFFIELD

Ye Olde Pot Pourri

*A blend of the
choicest flowers
of lasting
fragrance.*

**LORIMER-
MARSHALL**
LIMITED



*Various size
jars of assorted
design from
15/- Dozen*

**12 Tower Hill
E.C.3**

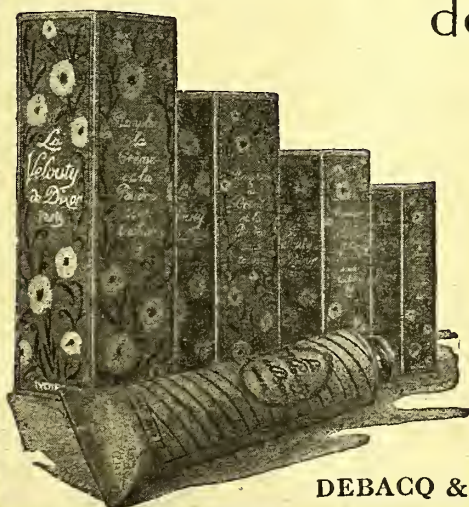
Telegrams: "LORIMARSCO, BILGATE, LONDON."

Telephone: NEW CROSS 2119.

The original combined Cream and Powder

la VELOURTY

de DIXOR Paris



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—Full size pot -	21/- doz.	RETAIL	2/9
Super tube -	22/- "	"	3/-
Large tube -	14/- "	"	2/-
Medium tube	7/- "	"	1/-
Handbag tube	3/- "	"	6d.

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the
Sole British Agents:

DEBACQ & HARROP, 68 Newman St., Oxford St., London, W.1



VERY
MUCH
CHEAPER
THAN
GOLD LEAF
PREPARATIONS

This wonderful Bottle Capping Solution has already proved very acceptable to the enterprising trader because of its many advantages over other methods. Handling is simplicity itself. You just dip the neck of the bottle into the V-C Solution.

SUPPLIED IN FOLLOWING METALLIC COLOURS:

**GOLD, BLUE, GREEN, RED,
SILVER, ORANGE, VIOLET.**

These colours afford splendid opportunities for enhancing the beauty of Perfumery Bottles. The colours are transparent and permanent and a perfect Gold Finish can be obtained which is quite as attractive and lasting as expensive gold leaf—at the same time being much cheaper.

V-C Solution has many other qualities to recommend it. It is non-inflammable, airtight, aseptic, greaseproof and infrangible. It dries in 10 minutes, and is staple, inert and hygienic.

**V-C MEANS ECONOMY
AND
MORE ATTRACTIVE GOODS**

Obtainable from all WHOLESALEERS or from our Sole Selling Agents:

S. MURRAY & CO., LTD.

Record House, Farringdon Road, LONDON, E.C.1

'Phone: Holborn 0717 & 0718.

'Grams: "Depressors, Smith, London."

Upon receipt of p.c. our demonstrator will call upon you.

JOHN M. NEWTON
VITREO-COLLOID, LTD.

Kingsbury House,
King Street, London, S.W.1



V.P.



EXPANSION

OUR ever-increasing business has forced us to seek larger premises, and we are now located in our new offices at Aldwych House, Aldwych, W.C.2.

In future all enquiries for samples and quotations should be addressed to

**ARMSTRONG
CORK CO. LTD.**

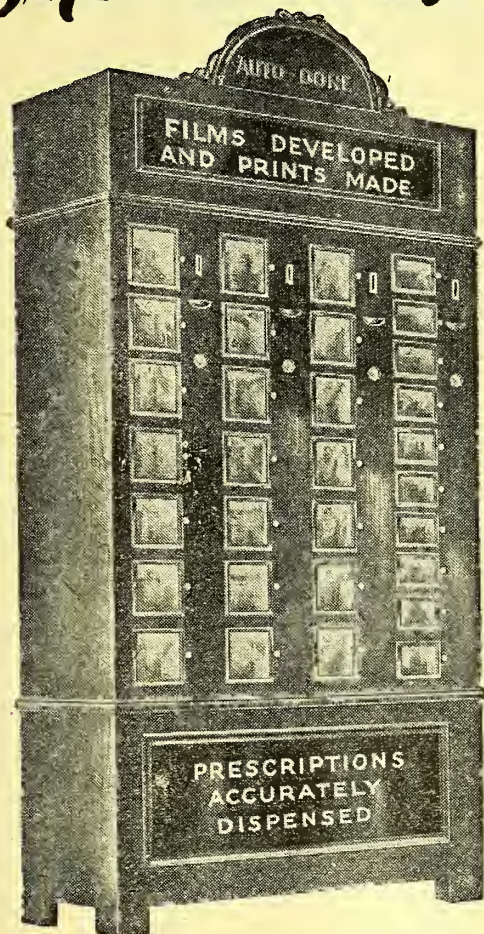
**ALDWYCH HOUSE
ALDWYCH, W.C.2**

Telephone: Holborn 1343.
Telegrams: Armcorko, Estrand, London.

Write NOW for Samples
and Quotations.

AUTO-DORE

The New Automatic Salesman



This machine sells Drugs and Medicines of all kinds whether boxed or wrapped or not. Automatic service by day and night. Ideal for Perfumes, Powders, Toilet Requisites, Razor Blades, Tooth Brushes, First Aid Materials, etc. It saves time, reduces cost of selling and ensures accuracy in cash takings without the use of cash registers. Can be supplied with any number and size of cupboards and sells articles at all prices.

Serves customers by day and night with any article of any size or shape at any price.

REDUCE selling expense by 50% to 75% and capture business "after hours" by installing AUTO-DORE, the new automatic vending machine.

It sells anything. Each unit consists of a series of glass-fronted, illuminated cupboards, any one of which can be opened by pressing a coin in a slot. Cupboards can be of any size and shape to suit the goods you sell.

BE THE FIRST TO INSTALL THIS MACHINE IN YOUR DISTRICT and get a big pull over competitors.

Inside your shop by day, AUTO-DORE will enable one unskilled assistant to serve double the number of customers, his or her only duty being to refill, from the back, cupboards that customers empty by purchasing their contents. Payment is automatic.

Outside your shop at night, AUTO-DORE will supply at any hour all those articles that people want after closing time.

The AUTO-DORE machine is inexpensive, robust and foolproof in construction. Supplied on sale outright or on advantageous rental-maintenance terms. Orders are executed in strict rotation.

SEND THIS COUPON TO-DAY
for Illustrated Descriptive Brochure.

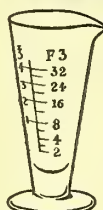
AUTO-DORE LTD., Temporary Sales Office,
439-441, OXFORD ST., LONDON, W.1.

Name

Address

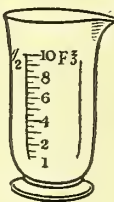
Please send me full information about AUTO-DORE.

ACCURATE DISPENSING DEMANDS RELIABLE MEASURES



An experienced Chemist looks for the following in a good measure.

STRONG CLEAR GLASS
A GOOD STABLE FOOT
AN EASY-POURING LIP
STRAIGHT CLEAR LINES



SHARP AND DISTINCTIVE FIGURES AND SYMBOLS

A measure made throughout by highly skilled British Workmen under careful supervision.

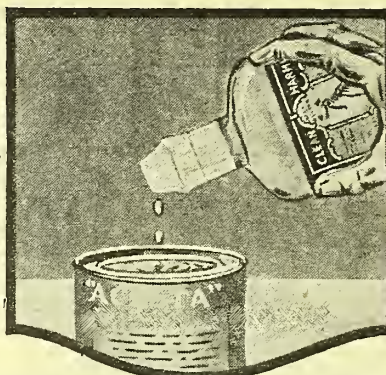
The "BUSH" Mark guarantees a Measure having the above features



When next buying a measure, ask for this Brand

STOCKED BY

Ayrton, Saunders & Co. Ltd.
LIVERPOOL



"ACELTA" CAPPING SOLUTION

The Quickest and most Economical Method
Made in all colours. Send for Shade Cards.

*Just the thing for the RETAIL
CHEMIST to have at hand.*

Distributed through the
usual WHOLESALE.
Send now for trial $\frac{1}{2}$ -lb. tin.

POST 2s. 0d. FREE.

Reduced Prices for Larger Quantities.

"ACELTA" CAPPING CO., LIMITED
Ashburton Road, Trafford Park, MANCHESTER

ACCURATE POISON BOTTLES

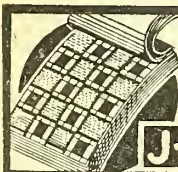
GUARANTEED FULL CAPACITY.

These bottles are much stronger than hand-made and reduce breakages to a minimum.

2 oz. 14/6, 3 oz. 16/6, 4 oz. 18/6, 6 oz. 22/-, 8 oz. 23/- gross.

C. W. HARPER, 254 STOCKPORT ROAD, MANCHESTER

Brilliant Amber Glass, English
Machine Made, Hexagonal.

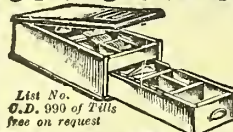


WINDOW DRESSING PAPERS

AN ENTIRELY NEW RANGE JUST ISSUED.
SEND FOR SET NO 742 AT ONCE.

J.C. KING LTD 42-GO. GOSWELL RD.
LONDON, E.C.1

SENT ON 14 DAYS APPROVAL



upon receipt or cash or two wholesale trade references. "LITTLE BRILLIANT" TILL Improved 16 x 8 1/2 x 6 ins. mahogany, highly polished, lock to lid and drawer, warming bell, secret catch and check action.

32/-

Coils 2 1/2 ins. wide 4 1/2 doz.

DUDLEY & COMPANY, LTD.

558-576, Holloway Road, London, N.7.

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK



From the usual Wholesalers or direct—
HOBSON, TRIMBLE & CO. LTD.
11 Union St., LEEDS.

REMOVES
GREASE,
OIL,
PAINT,
TAR, &c.,
from
CLOTHES,
FABRICS,
SHOES.

TEMPLETON'S
KLEN-GREZ

Retails at 1/-
James Templeton & Co.
40 Battlefield Rd., Glasgow,
S.2

SAVES SOAP
SAVES TIME
NON-
Inflammable
PLEASANT
ODOUR
FIXES DYES

SPECIAL CLEARANCE LINES

AS WE ARE WANTING SPACE.

22 cases	Dropping Bottles,	about $\frac{1}{2}$ oz.	1 oz.	2 oz.
assorted sizes	amber glass	7/6	9/-	11/6 gross
3 cases -	Kalis	about 20 ozs.		10/6 "
7 cases -	"	" 24 "		14/- "
3 cases -	Limes (Amber)	" 8 "		8/6 "
10 "	Mexicans	" 4 "		8/6 "
3 "	Provence Oil (bottles)	" $7\frac{1}{2}$ "		6/- "
2 "	Stoppered Ovals	" 2 "		8/6 "
16 "	Stoppered Perfumes			7/6 "
	(assorted patterns)			

ALL THE ABOVE OFFERED SUBJECT TO BEING UNSOLD.

ALL FREE LONDON. WHOLESALE TRADE ONLY SUPPLIED.

'Phone :
Clerkenwell 8770
(3 lines)

JULES LANG & SON

Charlton Works, Charlton Place, ISLINGTON, N.1

'Grams :
" Assorted
Phone London."

Chemists' Fittings

When you want Shop Fittings it
will pay you to send to

GEORGE COOK

The Chemists' Working Shopfitter.

27 Macclesfield St., City Road, E.C.1
LONDON.

30 years' experience.

Rough Sketches free.

WAGNER'S DRY BOTTLE CAPS
BEST IN QUALITY & APPEARANCE

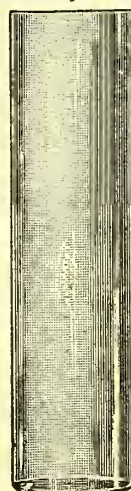
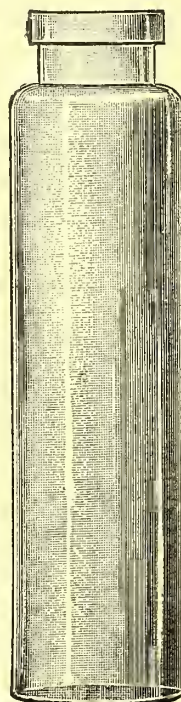


R.V. WAGNER

33, Brooke St., London, E.C.1.
Tel. No. Holborn 5090

DOUBLE VV BRAND VIALS

British made on British Machines.
NOT MOULDED.
Accurately made with Flat Bottoms.



Enquiries Invited.

GLASS PRODUCTS LTD.

125 High Road, E. Finchley,
London, N.2.

Tel. No.: Finchley 3244.



The "Charlotte" (Regd.) Hot-Water Bottle Cover

PRICES.

	Best Quality.	2nd Quality.	
8 × 6 in. ...	20/3	12/-	doz.
10 × 6 in. ...	21/6	13/-	"
10 × 8 in. ...	23/-	15/-	"
12 × 8 in. ...	25/-	16/-	"
12 × 10 in. ...	26/6	18/9	"

Supplied in plushette, pink or grey.

THE ONLY SATISFACTORY HOT
WATER BOTTLE COVER ON THE
MARKET.

—NO MORE BURNS—
STOPPER COVERED COMPLETELY.

Introduced by

C. J. HEWLETT & SON, Ltd., 35-42, Charlotte Street, LONDON, E.C.2.

"SURCO"

Always Reliable

WRITE FOR CATALOGUE

ELASTIC HOSIERY BODY BELTS

TRUSSES SUNDRIES

Surgical Hosiery Co., Ltd. Russell Street, Nottingham

SIMPLIC (Patent) SOOTHERS

THE BEST MADE SOOTHER ON THE MARKET.

Each Soother
packed in Dust-
proof Carton.

No stale stock
from exposure
or handling.

2 dozen Soothers
in Artistic
Container,
as illustrated.

Made in two sizes.



Ask also for
SIMPLIC TEATS
Each in Carton.

Packed in
Display Outer
of 3 dozen
assorted Teats.

The Name
"SIMPLIC"
is a Guarantee
of Excellence.

SIMPLIC SPRINGLESS TRUSS

FOR BATHING AND EVERYDAY WEAR.

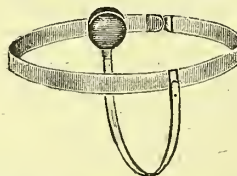
Made with Circular, Inguinal or Scrotal Pads.

INSTANTLY
ADJUSTED.

FITS EVERY
SIZE & SHAPE
PERFECTLY.

SUITABLE FOR
ALL CLIMATES.

The SIMPLIC TRUSS is specially designed for Bathing. It gives
just the correct support for each case.



CAN BE WORN
AT ALL TIMES
UNDER ALL
CONDITIONS.

THE PERFECT
TRUSS.

ASK YOUR WHOLESALE FOR LATEST TERMS.

Manufactured by J. G. FRANKLIN & SONS, LTD., BIRKBECK RUBBER WORKS, LONDON, E.8.

Makers of Fine Rubber Pro-
ducts for over Sixty Years.

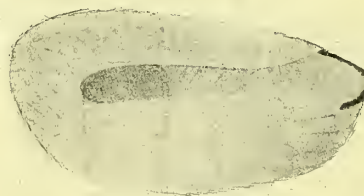
E. M. WALDEN Ltd.

Manufacturers of Surgical Instruments, &c.

SURGICAL, VETERINARY & DENTAL INSTRUMENTS;
HOSPITAL FURNITURE; STERILISERS; SYRINGES;
SURGICAL GLASS & ENAMEL WARE; SURGICAL
DRESSINGS OF ALL DESCRIPTIONS; SUNDRIES.

Wholesale & Export Only.

136 Borough High Street, London, S.E.1.



No. 785.

Telegrams:
"Walden Hop 5645."
Phone: Hop 5645-6.

Best sellers

The public is asking for **ZEAL** CLINICAL THERMOMETERS because they are:-

GUARANTEED TO STAY ACCURATE CONSISTENTLY ADVERTISED

Made by

ZEAL

-the name the public knows.

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



Selling
is
Believing

Make a special display of

NORVIC

BLUE CARTON CRÊPE BANDAGES

—you will then secure quick sales that will convince you what a useful line this is. NORVIC 70% wool quality bandages are well known and in constant demand because they are thoroughly dependable, fully guaranteed and well advertised—and remember they show a very generous margin.

	2"	2 1/2"	3"	3 1/2"	4"
Cost:	12/-	15/3	18/3	21/3	24/3
Sell:	1/6	1/11	2/3	2/8	3/-

Discount for quantities 3 doz. 2 1/2%. 6 doz. 5%.

Stocked by all leading wholesalers

Sole Manufacturers: GEOUT & CO., LTD., 35 Wood Street, London, E.C.2



PEOPLE WANT SUNSHINE —SELL IT!

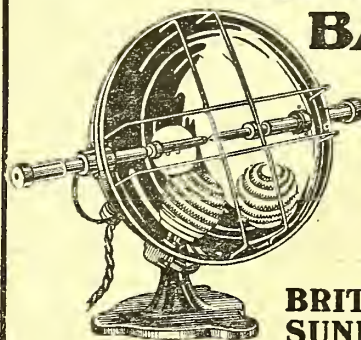
By making home sunbathing economical and safe, the Quain Sunlight Bath has turned a great modern demand into a source of direct profit to you. National advertising is making the name of Quain a household word, directing this demand to your doors.

Here are some of the ways in which we co-operate with our bona fide retailers.

1. All private enquiries are sent direct to the Quain Retail Agency in the district. Thanks to nation-wide advertising these enquiries are plentiful.
2. For at least a week, in a good cinema in your town, the Quain film will be shown, prominently featuring your name.
3. You participate in our Hire Purchase arrangements, profiting immediately and without any responsibility for the payments.
4. Generous terms and discounts are made to all bona fide retailers.
5. Every possible support is given to individual publicity efforts. Showcards, literature and canvassing facilities are freely supplied.

Join in on this. Quain Sunbaths ARE SELLING! And sales rapidly multiply because every sale makes other sales!

**QUAIN
SUNLIGHT
BATH**



THE
**BRITISH QUAIN
SUNLIGHT LTD.,**

20-21 LAURENCE POUNTNEY
LANE, LONDON, E.C.4



**ROBINSON'S of
CHESTERFIELD**
for
**CARDBOARD
BOXES**
ROUND · OVAL · SQUARE · FOLDING
ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



CHEMIST BOXES

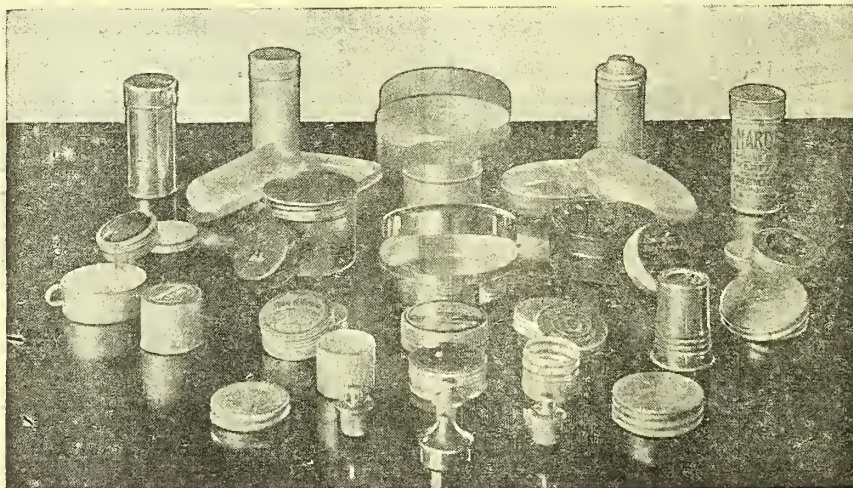
We specialise in the manufacture of small boxes for chemist use, and our range of these boxes is large and varied.

May we have the opportunity of quoting you for your requirements when next you are in the market?

ROBINSON & SONS, Ltd.
Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES,
CHESTERFIELD

Bright, frosted or tinted;
plain, embossed or printed;

PHOTO BY COURTESY OF



H. G. SANDERS & SON, LTD., SOUTHALL

there is a full range of finishes with

Aluminium Caps and Boxes

THE BRITISH ALUMINIUM COMPANY, LIMITED, Aluminium Producers, ADELAIDE HOUSE, LONDON, E.C.4

The Mond Staffordshire Refining Co. Ltd.

have now placed on the market

MONSOL

BRAND

DENTAL CREAM

retailed at 1/- per large tube

MONSOL DENTAL CREAM contains two varieties of precipitated calcium carbonate, the light and the dense variety. The dense is the polishing agent and the light gives bulk and an abundance of antacid.

MONSOL DENTAL CREAM contains sodium bicarbonate as a solvent of mucus, thus preventing food debris from remaining in contact with the teeth.

MONSOL DENTAL CREAM contains a very small amount of soap (about 3 per cent.), thus avoiding damage to the salivary enzymes.

MONSOL DENTAL CREAM contains a sufficient proportion of the powerful but non-caustic Monsol antiseptic to make it germicidally effective even when the Dental Cream is diluted with five times its volume of saliva.

MONSOL DENTAL CREAM has an alkaline reaction, thus inhibiting the growth of the acid-loving organisms responsible for dental decay and so avoiding the destruction of the enamel of the teeth by acid.

MONSOL DENTAL CREAM is so pleasant to use, so attractive to look at, and so efficient in its action that it will immediately take an honourable position at the top of its own market.

EVERY ORDER for two dozen 1/- tubes sent to a wholesaler before March 1st, 1929, will entitle the retailer to an equal number of small sample tubes free of charge.

Throat Pastilles	Liquid 2/- bottle
1/6 & 2/9 box	



Ointment 2/- pot	Internal Capsules 5/- bottle
---------------------	------------------------------------

MANUFACTURED BY THE MOND STAFFORDSHIRE REFINING CO. LTD.

A review of 1928



'Regular as Clockwork'

shows that the sales of Nujol have increased tremendously. This is no doubt due to the price reduction and the readiness with which the chemist has taken advantage of the Nujol window display offers, thus identifying his shop with the extensive advertising.

No line you handle is in more constant demand, more profitable, or more beneficial to your goodwill than Nujol.

Make sure of your share of this remunerative trade by sending immediately for particulars of special bonus offers for window display.

Nujol

REGISTERED TRADE MARK

Telephone :
Hampstead 8066.

Distributors for NUJOL LABORATORIES:
ANGLO-AMERICAN OIL CO., LTD.
ALBERT STREET, CAMDEN TOWN, LONDON, N.W.1

Telegrams :
"Nufinjol-Norwest-
London."

Your Opportunity

£12/10/0

OR CAN BE SUPPLIED ON
A FIRST PAYMENT OF

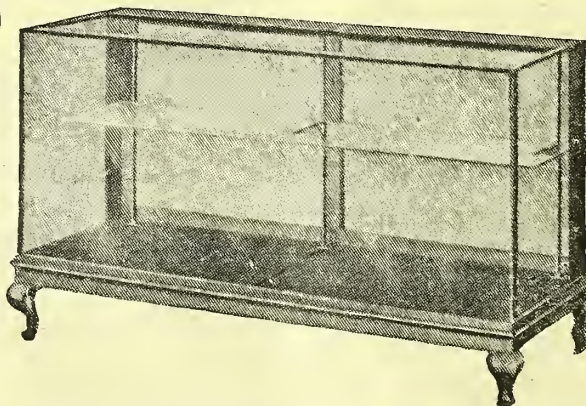
£1 : 1 : 11

AND 11 FURTHER
MONTHLY PAYMENTS OF

£1 : 1 : 11

EX WORKS

Insured Free in transit



£12/10/0

OR CAN BE SUPPLIED ON
A FIRST PAYMENT OF

£1 : 1 : 11

AND 11 FURTHER
MONTHLY PAYMENTS OF

£1 : 1 : 11

EX WORKS

Insured Free in transit

Ref. No. D.S.I. SOLID OAK OR MAHOGANY FRAME. FIRST QUALITY DRAWN PLATE GLASS FRONT, TOP AND SIDES. 2 CLEAR GLASS SLIDING DOORS AT BACK. FITTED INSIDE WITH STANDARD PARS AND BRACKETS WITH ONE ROW OF 2 PLATE GLASS SHELVES. POLISHED EDGES. CARVED LEGS
SIZE OF SHOWCASE : 6 FEET LONG; 3 FEET HIGH; 2 FEET WIDE.

SEND AT ONCE FOR FULL LIST OF SHOWCASES AND FITTINGS
No. 933, POST FREE.

J. C. KING, LTD., 42-60 GOSWELL ROAD, LONDON, E.C.1

*Phones : CLERKENWELL 2317 (5 Lines).

*Grams : "MAINBOOM, LONDON."

PATENT FOODS

SPECIAL FOODS DEvised. ENQUIRIES INVITED.

George King & Co., Ltd., Sycamore St., London, E.C.1

Phone: Clerkenwell 3383.

Wires: "Foodokings, Barb, London."

IN TINS OR TONS

Write for details of our **SPECIAL OFFER** of
CHEAP ENLARGEMENTS

FOR JANUARY AND FEBRUARY ONLY.

This proved a wonderful success last year.

A FIRST CLASS ADVERTISEMENT WITH WHICH TO START 1929.

FOR BEST WORK.

FOR BEST PRICES.

FOR BEST ADVERTISING SCHEMES.

Send to **A. J. SHAWYER & CO.** 12 WOOD STREET,
SWINDON, WILTS.

British Optical Institute

LIMITED,
(COLLEGE OF OPTICS.)

Fern Lodge, 20a Grove Road, Brixton, S.W.19

Besides the regular Courses in preparation for the principal Optical Examinations, the Principal wishes to draw attention to two new features in the activities of the College.

The first is a special Correspondence and Attendance Course which is being conducted in preparation for the Supplementary Examination of the B.O.A. and the Supplemental Examination of the S.M.C. The second is the creation of a Post Graduate Course intended to keep qualified opticians in touch with the constant progress of Ophthalmic Science.

Full particulars can be obtained by application to the Principal, Dr. MAX COQUE, B.Sc.

Telephone: Brixton 0677.



Good
light attracts
purchasers.
Therefore
use

MADE IN
ENGLAND



PEARL
MAZDA
LAMPS

3416/2

THE BRITISH THOMSON-HOUSTON CO. LTD.
CROWN HOUSE, ALDWYCH, LONDON, W.C.2.

Agfa films

don't warm
the shelf!

THEY sell too quickly for that! They are staunch favourites with amateur photographers and have time and again proved their reliability and high quality. Agfa Roll Films and Film Packs in your window are bound to draw you customers, and keep them! Stock and display these films now. Stock also Agfa Pyrogalllic Acid, Hydrokinone, Amidol, Rodinal and Gaslight and Bromide Papers.

Agfa

ROLL FILMS FILM PACKS

& PHOTOGRAPHIC PRODUCTS.
AGFA LTD., 91 New Oxford Street, W.C.1

C.F.H.

URODONAL

A SPECIAL OFFER to INTRODUCE THE

NEW 3/- SIZE

which is about to be largely advertised.

This size will be a popular size for the public who wish to try this world-wide remedy.

URODONAL now sells at 3/-, 5/- & 12/-

Messrs. CHATELAIN have at our urgent request brought out a new 3/- size bottle of URODONAL which will be largely advertised in the Daily Papers, and in order that you should have it in stock when your customers ask for it we are making you a

SPECIAL OFFER of
1 doz. 3/- URODONAL at 28/6

with one extra bottle as bonus and giving two months' credit.

This will be a fine seller, so order at once and obtain it on the best terms from the sole agents :

HEPPELS, LTD. Wholesale Chemists
16 Grosvenor Place, LONDON, S.W.1.



BY MAKING PRODUCTS OF
EXQUISITE QUALITY ONE
CREATES

Goodwill

WHICH MONEY CANNOT BUY.
WE HIGHLY VALUE THE
GOODWILL YOU HAVE EX-
TENDED TO US AND TENDER
YOU OUR

**HEARTY GOOD WISHES
FOR THE ENSUING YEAR**

H. BRONNLEY & CO., Ltd.
LONDON, W.3



JOHN BELL, HILLS & LUCAS LTD.

OXFORD WORKS, TOWER BRIDGE ROAD, LONDON, S.E.1.

130 years' reputation for purity and excellence.
Pharmaceutical preparations, Drugs and Chemicals of high quality.
Packed Goods of elegant finish and Choice of many styles.
Specialists in compounding and packing customers' private formulas.
Price List on application Telephone: Bermondsey 1141

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopoeia. (Wholesale only)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

"Wimaco" Specialities, British and Best.

AIR CUSHIONS Circular and Square Red Rubber. Highest Quality. Send for List.

INSIST ON WIMACO MONARCH SEAL BRAND (Regd.). THERE IS NO SUBSTITUTE FOR WIMACO.
WINCHESTER MANUFACTURING CO., LTD., ISLEWORTH, MIDDLESEX

FRED^K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

TEL.: ROYAL 6094.

GUMS, ARABIC and TRAGACANTH as Imported or
Finely Powdered. :: SHELLACS ALL GRADES.

DUTCH DROPS

The Original HAARLEM OIL

Also in Capsule Form.

We are Sole Distributing Agents for the British Isles, British Colonies, Scandinavian Countries, Spain, and South America.

BROOK, PARKER & CO., LTD., BRADFORD.

PHOSPHATE OF SODA, Pure

For Food Purposes

ASK FOR SAMPLE AND PRICES.

PERRY & HOPE, LTD.

Forth and Clyde Chemical Works, NITSHILL.

Telephones: Giffnock 414 (2 lines). Telegram: "Perryope, Nitshill."

ALL CHEMISTS
SHOULD STOCK

ABDINE

THE GOLD MEDAL HEALTH DRINK.

Quick Seller. Big Profits. Over 50 years' Reputation.
"Abdine" is the most popular Health Drink. Perfectly safe for all ages.
Made from choicest fruits, it does not contain Epsom or Glauber Salts. Year after year the sales are steadily increasing.

DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-

The SHADEINE CO., 58 Westbourne Grove, London, W.2.

BONCILLA

Send order for 1 doz. each 1/3
Cold and Van. Creams at 11/- doz.—
give display and get 2 doz. 6d. Test sets free.

Open for few weeks only.

J. C. Gambles & Co., Ltd., 211 Blackfriars Rd., S.E.1



GREY HAIRS

appear just here.

TOUCH THEM UP WITH

TATCHO-TONE

and they will instantly recover their natural shade. Medical Guaranty with each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2



Post Free

T. SHERBORNE & CO., LTD.

Surgical Appliance Manufacturers,

ABDOMINAL BELTS, SPRING TRUSSES, ELASTIC BAND TRUSSES, SUSPENSORY BANDAGES, &c.

Phone: Syd. 517.1 Wholesale & Export only. [Est. 1903.]

KINSLOR WORKS, Herschell Road, LONDON, S.E.23

QUININE PESSARIES "SAFEGUARD" BRAND

Guaranteed prepared to the correct formula. Rubber Goods in great variety. WRITE FOR CATALOGUE.

BURGE, WARREN & RIDGLEY, LTD.

91/2 Great Saffron Hill, LONDON, E.C.1.

*Phone—Holborn 0060.

Telegram—Pesenries, Smith, London.

THE CHEMIST'S MONOPOLY—

P.P.T. PY-SHAN POINTS TEA

SECURES YOU REGULAR CUSTOMERS
5d. per lb. PROFIT or 7d. per lb.
when cash accompanies order.

THOS. CHRISTY & CO., 4/12 Old Swan Lane, E.C.4

Potter & Clarke, Ltd.

60/64 ARTILLERY LANE, LONDON, E.1
 • Phone : Bishopsgate 4761. Grams : "Horehound, Phone."
 and at 24 LUNA STREET, GT. ANCOATS, MANCHESTER

60/64 ARTILLERY LANE, LONDON, E.1

Phone: Bishopsgate 4761.

Grams: "Horehound, Phone."

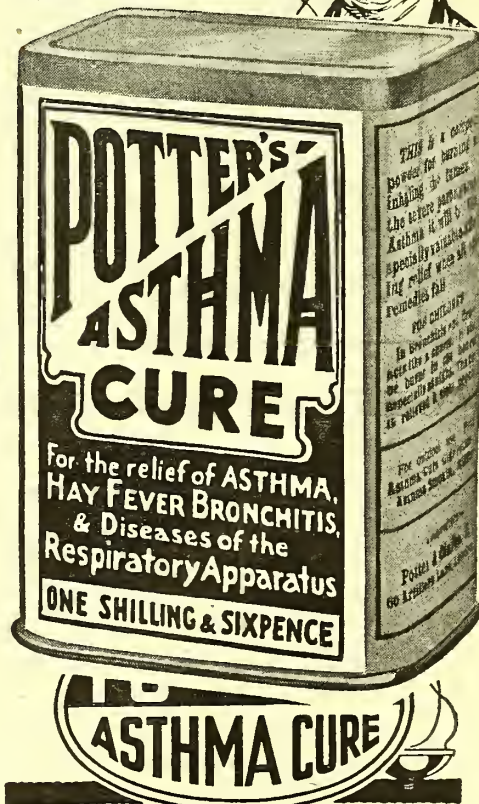
and at 24 LUNA STREET, GT. ANCOATS, MANCHESTER

POTTER'S ASTHMA CURE

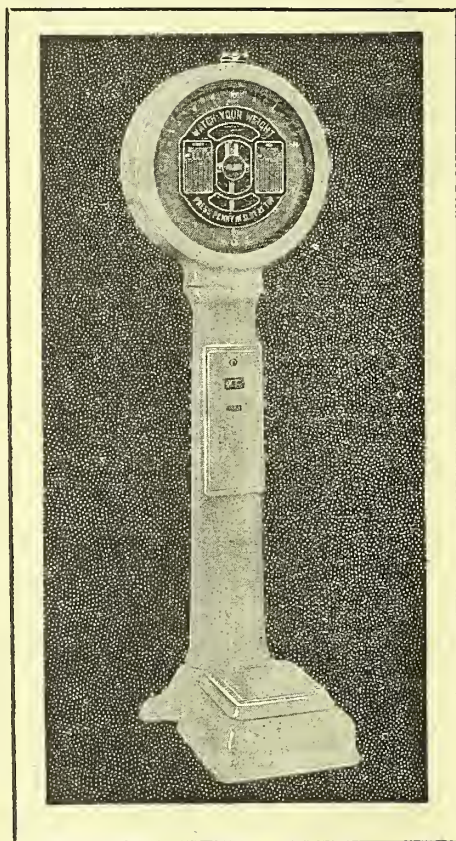
Has found its public, and is being widely advertised at home and abroad.

POTTER'S ASTHMA CURE stands alone for efficacy and public esteem. Purchase your supplies direct from us or through your usual wholesaler.

My Asthma
has gone
-thanks to



AVERY



IT is well known that Penny-in-the-Slot Personal Weighing Machines are a source of steady income.

By filling in and posting the coupon below, full particulars will be sent, without obligation, of the wide range of modern Penny-in-the-Slot Machines of the Avery high standard of efficiency.

W. & T. Avery Limited

Coinfreed Department,

SOHO FOUNDRY,

BIRMINGHAM.

COUPON

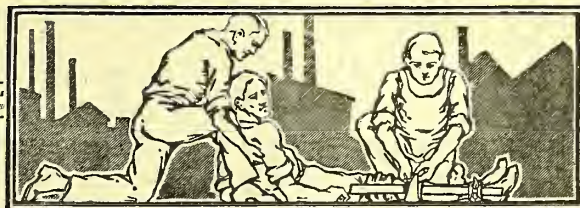
To W. & T. AVERY LIMITED,
Coinfreed Dept., Soho Foundry, BIRMINGHAM

*Please send me particulars of your range of
Coinfreed Personal Weighing Machines.*

Name.....

Address.....

(Block letters, please.)



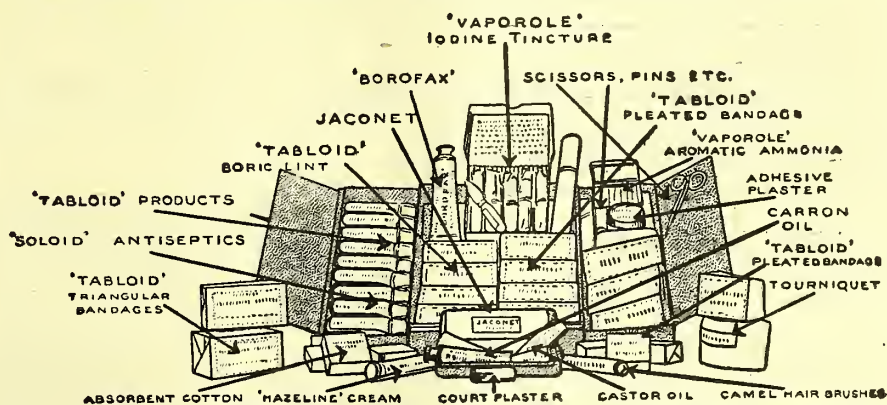
TRADE MARK 'TABLOID' BRAND

FIRST-AID

An Outfit for every purpose

By stocking and displaying 'TABLOID' First-Aid Outfits, the pharmacist can profit by the spread of first-aid knowledge and practice. These Outfits are as convenient as skill and experience can make them.

Sell 'Tabloid' First-Aid to motorists, airmen, scouts, travellers and for household use




'TABLOID' FIRST-AID, No. 723, with its contents displayed
(from a photograph)

For other styles and prices, see General Trade Price List

INDUSTRIAL FIRST-AID

'Tabloid' First-Aid Outfits for Industrial use contain more than the legal minimum supplies so that the factory owner is on the safe side.

Descriptive leaflets on request

 **BURROUGHS WELLCOME & CO.**
LONDON

Quality lurks in every bottle !



"UCAL"
GINGER WINE ESSENCE

Sells on Sight ! Repeats on Quality !!

The most successful line in the Trade—
there is no limit to the sales of this line.

The Package is unique ; new Show-
matter, forceful and attractive.

Retails at 9d. per bottle -	Costs only 6/- per dozen
6 Dozen Lots - - - - -	5/9 per dozen
1 Gross and over - - - - -	5/6 per dozen
1/4 Size costs 9/- per dozen	3 dozen @ 8/6 per dozen

UNITED CHEMISTS' ASSOCIATION LTD.

(PHONE 3021)

CHELTENHAM, and 4 and 6 KEITH GROVE, LONDON, W.12

TELEPHONE : " RIVERSIDE " 4641

Powerful

"IALINE" Brand Disinfectant is highly concentrated and has been officially approved by the Ministry of Agriculture in the proportion of 1 to 99 for the purposes of the Diseases of Animals (Disinfection) Acts. May be packed and sold by Chemists and Druggists under own name. Write for details of arrangement.



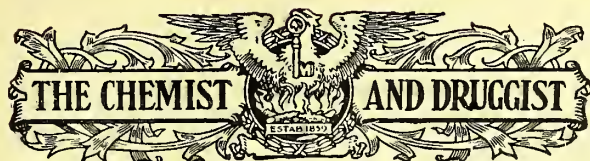
Manufacturers—

BURT, BOULTON & HAYWOOD, LTD.

WORKS: Great Britain,
France, Spain & Belgium.

Coal Tar Distillers.
Salisbury House, London Wall, LONDON, E.C.2

Telephone : London Wall 7569.
Telegrams : "Burboul, Ave, London."



A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

SUBSCRIPTION RATE

TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single copy, 9d., post free; *Diary*, 10s., post free. Postal Orders and Cheques should be crossed "Bank of Liverpool and Martins, Ltd."

TERMS FOR ADVERTISING may be obtained on application to: Head Office: 42 CANNON STREET, LONDON, E.C.4

(Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617.)

Branch Offices: 4 Cannon Street, Manchester. (Tel.: City 0052.)
54 Foster's Bldgs., High St., Sheffield. (Tel.: 22458.)
19 Waterloo Street, Glasgow. (Tel.: Central 2329.)
Melbourne and Sydney, Australia.

No. 2	Contents	Series 2553	Vol. 110
	PAGE		PAGE
Almanacs and		Festivities	33
Calendars	33	Gazette	35
At the Counter	31	Information Depart-	
Births	40	ment	40
Books, New	44	Insurance Act Dis-	
Business Changes	40	puting	48
Canadian Campaign		Irish News	32
against Proprietaries	34	Legal Reports	34
C. & D. Commercial		Marriages	40
Compendium	55	Modern Wall-Fixtures	36
Chemists' Windows	33	Observations and Re-	
Coming Events	32	flections	41
Company News	34	Ortho., Meta., Para..	38
Corner for Students..	47	Personalities	39
Correspondence:—		Pharmaceutical	
Letters	53	Society of Great	
Subscribers' Sym-		Britain:—	
posium	54	Council Meeting ..	45
Legal Queries	54	Branch Meetings ..	46
Miscellaneous In-		Prescription Problem	47
quiries	54	Retail Pharmacists'	
Deaths	40	Union	33
Editorial Articles:—		Retrospect	54
Patent-Law Reform	42	Scottish News	32
Second Thoughts	43	Trade Marks	35
Shellac Stocks In-		Trade Notes	39
crease	44	Trade Report	49
English News	31	Wills	35
Examinations and		Winter Session	33
Examiners	46		

At the Counter

"BIFURCATED MAGNESIA" is one Londoner's version of a well-known proprietary article.

THE staff of a Manchester pharmacy were greatly amused recently when a young man who walked up to the counter produced a pocket book and asked if they kept any of that product, the name of which he had written down as "Horace Fruit." Orris root was supplied.

THE following formula hails from Jamaica:—Spirit of life 3d., spirit destroyer 3d., shodder of darkness 3d., spirit of death 3d., oil of stand steady 3d., oil of go away 3d., oil of sleep 3d., oil of awake the dead 3d., oil of command the death 3d., oil of deldo 3d., cloreth powder 6d., oil of time 3d., brimstone 1½d., horse horn 3d. Please supply the horse horn last of all.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Contracts

The following tenders have been accepted by the bodies named:—

Bradford Education Authority.—G. & F. A. Wilman, chemists, spectacles for school children.

Cambridge Borough Education Committee.—Mr. E. W. Moss, chemist and druggist, extract of malt and oil.

Ludlow Guardians.—Woodhouse & Son, chemists, drugs.

Reading Guardians.—Bradley & Bliss, Ltd., manufacturing chemists, drugs and dressings.

Romsey Guardians.—Mr. W. J. Fisk, chemist and druggist, Southampton, surgical goods.

Inquests

A verdict of "Suicide while of unsound mind" was returned at a recent inquest at Coventry on the body of Joseph Jackson, who was found dead as a result of poisoning by turpentine. A medical witness, in reply to the coroner, said that cases of poisoning by turpentine were very uncommon.

An inquest was held in South-West London on January 8, on the body of Ellen D. E. Piesse, lately employed by Poli-Varn, Ltd., polish manufacturers, St. John's Hill, S.W. Sir Bernard Spilsbury said that death was due to syncope from disease of the lungs caused by the inhalation of silica. Mr. Frank Gilder, secretary of the company, said that special machinery and electric fans had been installed, and the girls had been asked to wear masks, but had refused to do so. Owing to deaths the firm had stopped the manufacture of this patent polishing mixture. The coroner said that the company were model employers, and had taken every precaution to prevent such fatalities.

Liverpool

Mr. W. J. Pickersgill, chemist and druggist, Dale Street, is recuperating at Torquay.

Mr. Peter Ross has joined the staff of Francis Newbery & Sons, Ltd., at their Liverpool branch, 22 College Lane.

Birkenhead and Wirral Pharmacists' Association are holding their annual ladies' night at the Exchange Hotel, Liverpool, on Thursday, January 17; tickets 10s. 6d. each.

Mr. J. G. Wallbridge, the new president of the Liverpool Chemists' Association, will deliver his presidential address at the annual meeting at the Royal Institution on January 30.

Wallasey Corporation has given notice of its intention to make a closing order under the Shops Acts, 1912 to 1928, for the sale of medicines and medical and surgical appliances in shops within the borough. It is proposed that such shops shall close at the following times:—Monday, Tuesday and Thursday, 7 p.m.; Wednesday (weekly half-holiday), 1 p.m.; Friday and Saturday, 8 p.m. The Wallasey Half-Holiday Extension Order, 1913, which applies to the shops in question, is not extended to such shops in the Leasowe and Moreton wards. These premises are therefore entitled to remain open until 8 p.m. on the Wednesday, subject to closing not later than 1 p.m. on one day in every week. Objections to the order or suggestions as to the provisions should be made in writing to the town clerk before February 6.

Sheffield

The position of panel chemists in regard to the control of the drug fund has been explained in the local Press, by Mr. J. Gilbert Jackson.

The local doctors in some districts are not complying with the requirements when ordering diamorphine, especially in the case of Insurance mixtures.

Miscellaneous

JERSEY PHARMACIES FLOODED.—Through sewers overflowing in St. Helier, recently, the basement stock-rooms

at the premises of Mr. T. W. Attenborough, Ph.C., and the cellars at the pharmacy of Mr. P. Le Quesne, chemist and druggist, were inundated with water.

WINDOW-DRESSING AWARD.—In a Christmas window-dressing competition at Sandown, Isle of Wight, the first prize in the class for chemists was awarded to Mr. L. T. Salt, Ph.C., and the second to F. Woollings & Son.—The first prize in a recent Sloan's window-display competition was won by Mr. H. Robinson, chemist and druggist, Keighley.

STAFF FUNCTION.—The staff of the Shadforth Prescription Service, Ltd., London, E.C., held their annual dinner, social and dance at Slater's Restaurant, 159 Aldgate, E., on January 3, when Mr. William Shadforth was in the chair. The employees present numbered 125. In the course of a very enjoyable evening the prizes were presented by Mrs. Shadforth.

ALIENS RESTRICTION (AMENDMENT) ACT.—Permission has been granted to Alfred Ludwig Arnold, manufacturing chemist, 9 Arthur Mews, Praed Street, Paddington, London, W.2, to use the title W. Edmonds & Co., and to Caryl Johann Rose, manufacturer of essences, essential oils and allied products, 32 Great Dover Street, London, S.E.1, to use the title Rose & Co.

IN THE COURTS.—At the Central Criminal Court, London, on January 8, Clara Shott (18), who had been convicted at the previous sessions of causing her sister to take carbolic acid with intent to injure her (*C. & D.*, December 15, 1928, p. 720), was sent to a mental deficiency home.—At Birmingham Police Court, on January 5, Lily Kirby, Owen Street, Edgbaston, was fined 10s. for having sold as malt vinegar an artificial product containing 3.6 per cent. of acetic acid.

ARRANGEMENTS FOR INFLUENZA OUTBREAK.—A circular (No. 955) issued by the Ministry of Health on January 4 to town clerks and similar officials, together with a copy of Sir George Newman's "Memorandum on Influenza" (1927, Stationery Office, 2d.), states that the general sanction of the Minister of Health has been given to the provision by local authorities, in the event of an outbreak of influenza, of medical assistance, including nursing and the dispensing of doctors' prescriptions, for the poorer inhabitants.

Scottish News

Brevities

Mr. R. J. Shennan has been appointed to the management committee of Dalbeattie Merchants' Association for the ensuing year.

At the recent annual meeting of Coupar Angus Merchants' Association Mr. John Davidson was appointed to the management committee.

"The New Year was hailed in Scotland with bright and frosty weather. Wholesalers and retailers alike were in holiday mood, and general business was almost entirely at a standstill," writes a Fife correspondent.

At the installation ceremony in the Caledonian Hotel, Inverness, on December 27, Brother W. J. Bethune, chemist and druggist, was invested with the office of R.W.M. of the Old Inverness Kilwinning St. John's Lodge of Freemasons.

Edinburgh

A correspondent tells us that "Wholesale chemists in Edinburgh have made rapid strides in recovering lost ground in the packed goods trade, many elegant examples of packed pharmaceutical products are now on the market. Prices compare favourably with those of English houses, and there is the saving of time in delivery and the cost of boxes."

The Annual Burns dinner of the Edinburgh and District Chemists' Trade Association is to be held in Ferguson and Forresters' Restaurant, 129 Princes Street, Edinburgh, on January 23 at 7 p.m. The oration is to be delivered by the Rev. M. Duncanson, Clydebank. Tickets (9s. 6d. each) can be had from the secretary, Mr. James Adamson, 18 St. Mary Street, Edinburgh.

Irish News

Brevities

An automatic weighing machine, claimed to be the first of its kind in Ireland, has just been installed in the doorway of Messrs. Bell, chemists, The Quay, Waterford.

Several members of the trade are candidates at the municipal elections in Northern Ireland, the polling to take place on January 15. In Belfast, Mr. Samuel McLoughlin, Ph.C., the retiring councillor in Duncairn, is being opposed, and Mr. John Sandford, Ph.C., vice-chairman, of Portadown Urban Council, is opposed in the election in that town. Mr. R. F. McCartney, Ph.C., is a candidate in Coleraine, and in Newcastle, co. Down, Mr. Robert Hastings, J.P., head of Robert Hastings, Ltd., chemists, is seeking election. In Tandragee, Mr. Douglas Meredith was returned unopposed to the Urban Council.

Belfast

Mr. James Dundee, treasurer of the Pharmaceutical Society of Northern Ireland, celebrated his twenty-first year in business recently. As a memento of the occasion purchasers at his University Road and Castle Street pharmacies, Belfast, were presented with gifts.

At Belfast Corporation monthly meeting, on January 1, the Police Committee reported having received an application from Mr. Patrick McGurk, 20 Cromac Street, carrying on the trade of agent for disinfectants, for a licence under the Poisons and Pharmacy Act, 1908, to sell sheep dip in connection with agriculture. A letter was also received from the secretary of the Pharmaceutical Society of Northern Ireland, intimating that the Council of the Society objects to the granting of a licence to Mr. McGurk to sell poisonous substances, on the ground that the substances mentioned are sold in the open market and also throughout the country by the employees of Mr. McGurk. The communication pointed out that agricultural and horticultural poisons may only be sold by the person in whose name the licence is issued. It was reported that by resolution of November 1 this Committee had, upon a report from the Commissioner of Police, given authority for the issue of a licence to Mr. McGurk to sell sheep dip to be used exclusively in connection with agriculture, and it was resolved that in view of the report now received from the Pharmaceutical Society of Northern Ireland, the authority be cancelled and the application declined. The Council confirmed the decision of the Police Committee.—An application of Mr. Wm. J. McClements, of Thos. Beattie & Co., 100 High Street, for a licence under the Act to sell weed-killers and insecticides was granted.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, January 15

South-West London Chemists' Association, Lecture Theatre, Westminster College of Pharmacy, 190 Clapham Road, London, S.W.9, at 8.30 p.m. Addresses by Mr. D. A. Rees on "Organisation in a Pharmacy," and Mr. E. A. Atkins on "Optics as a Pharmacist's Side-Line."

Wednesday, January 16

Pharmaceutical Society of Great Britain, Manchester, Salford and District Branch, Medical Lecture Theatre, The University (Coupland Street entrance), at 3 p.m. Joint meeting of Junior Section and University Students' Association. Professor T. H. Pear on "Psychology in its relation to Medical Treatment."

Western Pharmacists' Association, R.P.U. Branch, Slater's Restaurant, 192 Oxford Street, London, W.C., at 8.30 p.m. "Current Pharmaceutical Topics," by Mr. J. E. French.

Edinburgh Chemists' Assistants' and Apprentices' Association, 36 York Place, Edinburgh, at 8 p.m. Speakers: Mr. Eric Knott on "Winter Time Botany," and Mr. Gordon Perrins on "Insectivorous Plants."

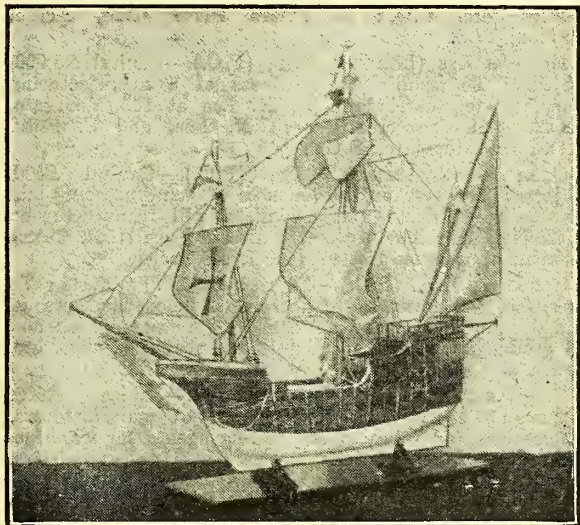
Thursday, January 17

North London Pharmaceutical Association, Gate House Hotel, Highgate, from 7.30 till 11.45 p.m. Carnival dance. Tickets 2s. 6d. each.

Chemists' Windows

Photographs sent to the Editor for reproduction should be accompanied by notes as to the arrangement of the displays.

THE model ship reproduced in our illustration is built entirely from odds and ends of a chemist's shop. The ship is a scale model of the "Santa Maria," the flagship of Christopher Columbus. Part of a doorpost of the old shop fittings formed the hull; wood from boxes supplied the stand and spars; while matches, orange sticks, cardboard, tin, etc., provided the deck fittings and fancy work. Oak stain was made with the help of "Pharmaceutical Formulas." The rigging consists of waxed shop string and surgical thread; the sails are of



batiste; and a hypodermic needle and sealing wax gilded over made a nice stern lantern. Some old oval pills were ideal for "blocks" or pulleys, while some equally ancient palatinoids served as "deadeyes." Flags were made from a soiled handkerchief puff, the proper colours and gilt being found in photo tints. Other materials included wire from packages, window-ticket paints, emery boards and adhesive plaster. In displaying the model the maker thought he was asking for trouble; but the worst remark he has heard is, "Nobody in there made it; that's the work of an expert." The model is the work of Mr. R. G. Wood, High Street, Wanstead, London, E.11.

Retail Pharmacists' Union

Glyn-Jones Memorial Fund

A circular has been sent to members of the Union by the secretary, Mr. G. A. Mallinson, appealing for subscriptions to the Glyn-Jones Memorial Fund. The circular states:—"We who are engaged in retail pharmacy and can remember the condition of things in our calling thirty years ago as regards the selling prices of proprietary articles, can best estimate the value of Sir William Glyn-Jones's work in establishing protected retail prices. His efforts in that connection and also in securing the dispensing under the N.H.I. Act for pharmacists are outstanding achievements which call for permanent recognition. . . . There may be a danger of his services being forgotten and of others taking credit for his good work. I am appealing for support for the Glyn-Jones Memorial Fund, because I want to keep his name before future generations of pharmacists who will never realise all they owe to my friend, the late Sir William Glyn-Jones. . . ."

Associations' Winter Session

Belfast.—A committee meeting of the Ulster Retail Drug Trade Association was held at 11, Waring Street, Belfast, on January 1, the president, Mr. D. A. Taylor, in the chair. Others present were:—Messrs. R. I. Edwards, Jas. McDowell, A. E. A. Davis, S. H. Forrest, H. Todd, W. J. Hardy, Geo. Hamilton and W. J. Rankin, jun. An apology was received from Mr. A. W. Mann. The president referred to the serious illness of his Majesty the King, and a resolution of sympathy was sent to her Majesty the Queen and members of the Royal Family. A subscription of £25 was ordered to be forwarded to the Glyn-Jones Memorial Fund, on the motion of Mr. W. J. Hardy, seconded by Mr. H. Todd.

Cork.—At the recent annual general meeting of the Cork and District Chemists' Association, Mr. Eugene MacSweeney, M.P.S.I., was elected *Chairman* for the ensuing year. Mr. John Blair *Vice-Chairman*, Mr. V. Hood Nicholson *Secretary*, and Mr. G. F. Henchy *Treasurer*. With a view to getting closer co-operation this Association has been reorganising and has drawn up a new set of rules, one of which lays down that each member must also be a member of the Dublin and Provincial Retail Drug Association.

Festivities

Portsmouth Juniors' Dinner

THE newly-formed Portsmouth Junior Branch of the Pharmaceutical Society held its first dinner at the Corner House on January 2. The function was a great success, being attended by a representative number of senior members. The chair was occupied by Mr. Burdon. The toast of "The Local Branch" was proposed by Mr. Bellet. In his reply Mr. Darling congratulated the juniors on their enthusiasm in forming the section. After the dinner the room was cleared for dancing.

Staff Social

THE annual "staff social" of Oldfield, Pattinson & Co. was held on January 4 at the Exchange Hotel, Manchester. After high tea, a whist drive was held, conducted by Mr. Booth (laboratory staff). The prize-winners were: Miss M. Skelly (1st lady's), Miss Fenton (travelling prize), Mr. Eastwood (1st gentleman's), Mr. Roche (2nd gentleman's). The room was then cleared for dancing and varied entertainment. Mr. Graham Adams gave several turns of clever card manipulation and other illusions. An excellent orchestra, conducted by Mr. Marren (laboratory staff), supplied the music.

Carnival at Portsmouth

THE Portsmouth Pharmacists' Ladies' Committee gave the annual New Year's carnival at Goodie's Café. Some noteworthy costumes were worn, among them being "A Japanese Lady" (Mrs. Atterbury), "Bath (K)night" (Mrs. Murray), "Highlander" (Miss Darling), "Indian Squaw" (Mrs. Bown), "Jazz Pierrot" (Miss Bown), "Hindu Lady" (Miss Wannell), "Chu Chin Chow" (Mr. Jones), "Hiawatha" (Mr. Bown). The evening was spent in games and dancing. As midnight struck, all joined hands in singing "Auld Lang Syne." This was followed by musical honours for the committee and Mr. G. W. Darling, president of the Association.

Almanacs and Calendars

HOWARDS & SONS, LTD., chemical manufacturers, Ilford, issue a wall calendar (14½ in. by 10½ in.), printed in black and red on buff ground, with monthly leaves. A photographic reproduction of their dispatch room shows the wide range of markets served.

STAFFORD ALLEN & SONS, LTD., manufacturing chemists and essential oil distillers, Cowper Street, Finsbury, London, E.C.2, send a daily tear-off calendar for desk or wall (10½ in. by 8½ in.), with a coloured view of a lavender field on their farm at Long Melford.

Canadian Campaign Against Proprietaries

THE Canadian Department of Health finds that there is on the Canadian market a large number of remedies for which extravagant and exaggerated claims are made. The Department is prepared to take the stand that no remedies sold under distinctive names (not to be found in any pharmacopœia or recognised standard work) should be sold for the treatment of any of the following diseases: Tuberculosis, cancer, goitre, diabetes, diphtheria. A person suffering from any one of these diseases should begin proper treatment under skilled direction as soon as the disease is recognised.

Importers and manufacturers are warned that after November 1, 1928, they must not import into Canada, should not sell or ship from any of their premises, pharmaceutical preparations misbranded from this standpoint. This ruling of the Department will not in any way prejudice the right of immediately instituting active proceedings against any offender if the case seems particularly urgent. The Department of Health have since added to the above list syphilis and gonorrhœa, and now such remedies are proscribed.

Legal Reports

Charge of Poisoning.—At Derrygonnelly, co. Fermagh, on January 4, John J. Flanagan (26), farmer, was charged on remand with the murder by poisoning of his cousin, Bridget E. Flanagan. Mr. Charles McMullan, county analyst, Belfast, said he found lower oxides of phosphorus in all the organs of the body, more than sufficient to cause death. The amount of phosphorus found would suggest that a good deal more had been administered. The most convenient way of getting the poison would be in the form of rat-paste. The cause of death was phosphorus poisoning. Cross-examined, witness said the death would be excruciating agony. The phosphorus could be given in small quantities without the taste being noticed. Since the inquest he had received for examination a bottle found in the house of the accused labelled "poison" and containing a saturated solution of cane sugar in which was 0.1 gr. of phosphorus. The accused was committed for trial.

Venereal Disease Act.—At the West Kent Sessions, on January 3, Mr. William Londesborough Towers, chemist and druggist, Railway Street, Chatham, was charged with treating a person for venereal disease and with prescribing a remedy therefor. Mr. H. B. Waddy prosecuted, and Mr. Marston Garsia and Mr. R. S. Chapman appeared for Mr. Towers. Opening the case, Mr. Waddy said the issue was—did Mr. Towers, who was not a qualified medical practitioner, prescribe for venereal disease or for something that he did not know to be that disease? The evidence given at Chatham Police Court (*C. & D.*, January 5, p. 6) a week previously by "Patient 3701" and Dr. A. Nichol was repeated. Mr. Garsia, who did not dispute the evidence, contended that Mr. Towers treated the patient for an ulcer, not knowing it to be venereal. Could the jury be satisfied on the evidence that Mr. Towers knew that he was treating venereal disease when he told the patient he was suffering from an ulcer? Nothing had been said about venereal disease. The chairman, in summing up, mentioned that this was the second case that had been brought under the Act. The jury found Mr. Towers guilty on both counts. Mr. Garsia submitted that Mr. Towers, a gentleman sixty-one years of age, bore a perfectly good character, and asked the Bench to take the view that he had acted injudiciously more than anything else. He had been in business thirty-six years, and this was the first time anything had been brought against him. The chairman intimated that it was not a case that might be met by a substantial fine—that course was not open to them. Mr. Garsia suggested that his client might be ordered to pay the costs of the prosecution and that he could be bound over. The Chairman: No. He will go to prison for one month in the second division on each count, the sentences to run concurrently.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

WRIGLEY, PATERSON & Co., LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturers and sellers of deodorants, disinfectants and antiseptics, etc. R.O.: St. John's Road, Isleworth.

J. WHITMORE, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of cork manufacturers now carried on by J. R. Whitmore and A. Whitmore at Macclesfield as "J. Whitmore." Secretary, J. Whitmore.

WAVELLEY, LTD. (P.C.).—Capital £1,200. Objects: To carry on the business of hairdressers, chemists and druggists, perfumers, tobacconists, drapers, boot and shoe dealers, etc. R.O.: 25 Friars Place Lane, Acton, London, W.3.

NORMAN LEE (LONDON), LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of a manufacturing chemist, etc., carried on by N. Lee at 133 Moorgate, E.C.2. The subscribers are: N. Lee, and C. Katz. R.O.: 133 Moorgate, E.C.2.

GEORGES (SHEFFIELD), LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturing and dispensing chemists and druggists, pill manufacturers, herbalists, etc. The permanent directors are H. R. Cottee (chairman), Maysee Cottee, and J. A. George.

COROMAY, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of merchants, manufacturers of and dealers in cleaners, polishes . . . refiners of oil and oil products, chemical merchants and manufacturers, etc. R.O.: 83 Queen Victoria Street, London, E.C.4.

C. KEITH-THOMAS, LTD. (P.C.).—Capital £600. Objects: To carry on the business of manufacturers, wholesalers and retailers and selling agents for manufacturers and other of toilet preparations and requisites, etc. R.O.: 48 Malden Road, New Malden, Surrey.

ADAK, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers, importers and exporters of and dealers in all kinds of dyes, dyestuffs, chemical drugs, paints, varnishes, etc. Solicitors: Gilbert Samuel & Co., 5/6 Great Winchester Street, London, E.C.2.

LEYLAND & THOMAS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, drysalers, oil and colourmen, etc. The directors are: H. Green, G. E. Leyland, M.P.S., F. W. Smith, M.P.S., and H. C. Thomas, M.P.S. R.O.: Hornspit Lane, West Derby, Liverpool.

TROCA, LTD. (P.C.).—Capital £100. Objects: To carry on the business of medicinal confectionery manufacturers, dealers in compounds and drugs, etc. The subscribers are: P. McSwiney, 4 Wesley Place, Dublin, Eileen Curley, 64 Dawson Street, Dublin, and J. J. Keogh, 64 Dawson Street, Dublin.

HEKLA PRODUCTS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of all kinds of polishes and cleaning preparations, oil and colourmen, manufacturers of and dealers in chemical products, etc. The subscribers are R. J. H. Hope and R. H. King. R.O.: 43 Gower Street, W.C.1.

T. & B. PRODUCTS, LTD. (P.C.).—Capital £200. Objects: To carry on the business of manufacturers of and dealers in all kinds of Velray products and all other kinds of toilet preparations and requisites, perfumes, powders, creams, colours, scents, soaps, etc. The directors are: W. A. Ward and W. B. Charles.

THOMAS PEMBERTON & Co., LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of producers, refiners, and distributors of oil, grease, tallow, and fat and products thereof, soap boilers, cattle food, etc. The permanent directors are: M. Smith and L. C. Pemberton. R.O.: Neptune Street Oil Works, East Street, Leeds.

COOPER, McDOUGALL & ROBERTSON (SOUTH AMERICA), LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of chemical manufacturers, agricultural and general chemists, druggists, drysalers, etc. The directors are: Sir Richard A. Cooper, Bt., R. M. Foot and A. D. Robertson. Solicitors: Roney & Co., 42-5 New Broad Street, E.C.2.

ASHTOWN TIN BOX COMPANY, LTD. (P.C.)—Registered in Dublin on January 1. Capital £6,000. Objects: To acquire the business of manufacturers of tin containers and sheet metal workers now carried on by A. Gaynor, J. J. Gaynor and P. J. Gaynor at Ashtown Mills, Castleknock, Co. Dublin, as the "Ashtown Tin Box Co." The directors are: A. Gaynor, J. J. Gaynor and P. J. Gaynor.

G. LEMOINE, LTD. (P.C.)—Capital £2,000. Objects: To purchase and sell the products of the French company, Parfumerie G. Lemoine, etc. The first directors are: J. Combemale, 133 Rue Chevallier, Lavallois Perret, France, perfumer; G. Corriez, 15 Rue Michel Ange, Paris, perfumer, and O. Fleischmann, 214 Lordship Road, N.16, merchant. R.O.: Westmoreland House, 129/131 Regent Street, W.1.

PRITCHARD & CONSTANCE (HAYMARKET), LTD. (P.C.)—Capital £5,000. Objects: To adopt an agreement with W. Robinson, and to carry on the business of chemists as formerly carried on by him at 57 Haymarket, S.W.1. The directors are: W. Robinson, 4 Portland Mansions, Addison Bridge Place, W.14, chemist, and C. Brodrick, Millside, Trumpet Hill, Reigate, solicitor. R.O.: Walbrook Chambers, 38 Walbrook, E.C.4.

RALMINA SOAP CO., LTD.—At a meeting held in London on December 31, it was resolved that this company be wound up voluntarily. Mr. M. G. Hacker, 23 Surrey Street, Strand, W.C.2, was appointed liquidator, and a meeting of creditors will be held at the above address on January 16.

COMPANIES WHICH MAY BE DISSOLVED.—The under-mentioned companies will, unless cause is shown to the contrary, be struck off the register and the companies dissolved three months after January 1:—Botanic Buffets, Ltd.; British Casein Co. (1911), Ltd.; British Lactic Products, Ltd.; British Potash Co., Ltd.; Lancashire Phosphates, Ltd.; Sapon Soaps, Ltd.; Surgical Supplies, Ltd.; Yadi Press, Ltd.—The under-mentioned companies will, unless cause is shown to the contrary, be struck off the register and the companies dissolved three months after January 4:—Chemical Research Co., Ltd.; Co-Optics, Ltd.; Disinfectants & General Products, Ltd.; Muthol, Ltd.

Wills

MR. CHARLES RADFORD, of Bridlington, retired chemist and druggist, who died on October 19 last, left estate of the gross value of £18,038, with net personalty £17,050.

MR. WILLIAM GEORGE ATKINSON, of 21 Princes Street, Ulverston, chemist and druggist, who died on September 4 last, aged sixty-six years, left estate of the gross value of £10,543 0s. 3d., with net personalty £9,935 10s. 3d.

MR. HENRY HARRIS, of Fernsyde, Canonbie Road, Forest Hill, S.E., late of the Elephant Chemical Co., Camberwell, who died on June 15 last, aged 94 years, left estate of the gross value of £1,174 15s. 8d., with net personalty £1,154 13s. 2d.

MR. JOSEPH HOOK PERCIVAL BOLTON, 103 Hoppers Road, Winchmore Hill, N., and 28 The Green, Winchmore Hill, chemist and druggist, who died on November 2 last, left estate of the gross value of £1,590 6s. 2d., with net personalty £1,388 8s. 6d.

MR. CHARLES BROWN STOUT, of Medical Hall, Lerwick, Shetland, chemist and druggist, left personal estate in Great Britain valued at £1,429, and probate of his settlement, dated June 5, 1907, has been confirmed in London in favour of his widow.

MR. HERBERT CHARLES BRIERLEY, of Runswick House, Stocksfield-on-Tyne, Northumberland, formerly of Darlington, chemist and druggist, who died on September 7 last, aged 59 years, left estate of the gross value of £2,214 9s. 8d. with net personalty nil.

MR. WILLIAM GEORGE REID, of Hillview, Tain, N.B., chemist and druggist, who died June 20 last, left personal

estate in Great Britain valued at £1,243 18s. 8d. Administration of the estate has been granted to Mrs. Amelia Grant Masson Reid, of Hillview.

MR. SAMUEL ARTHUR GARSIDE, of 15 Stretton Drive, Southport, Lancs, retired chemist and druggist, formerly of Ormskirk, who died on October 25 last, aged seventy-eight years, left estate of the gross value of £1,374 0s. 4d., with net personalty £1,343 10s. 4d.

MR. HARRY LEATON EDWARDS, of The Shanty, 34 Bank Avenue, Great Meols, Cheshire, chemist to Lever Bros., Ltd., for forty years, who died on October 12 last, aged seventy-one years, left estate of the gross value of £4,438 18s. 11d., with net personalty £3,207 5s. 3d.

MR. GWILYM JONES, of Llanstinan Rectory, Treown, Pembroke, formerly of 18 Hanover Street, Hanover Square, London, W., chemist and druggist, who died on September 26 last, left estate of the gross value of £29,768 11s. 10d., with net personalty £29,598 13s. 10d.

MR. HENRY OF HENRY ERNEST, or HENRY ERNEST FREDERICK DAVIDGE, of 1 Oxford Court, 61 Alexandra Road, Southend-on-Sea, Essex, formerly of Claire, Fillebrook Avenue, Leigh-on-Sea, chemist and druggist, who died on October 16 last, aged 74 years, left estate of the gross value of £1,432 11s. 3d., with net personalty £44 13s. 10d. Probate of his will has been granted to Mrs. Agnes Marie Williams and Miss Claire Williams, both of Claire, Fillebrook Avenue, Leigh-on-Sea.

Gazette

Partnership Dissolved

TAYLOR, F. W., and TAYLOR, F. T., Newport Pagnell, Buckingham, pharmacists and mineral-water manufacturers.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1929, p. 333.

(From "The Trade Marks Journal," December 26, 1928.)

"KOO-DOO," under picture of horned quadruped; for tartaric acid, cream of tartar and citric acid (42). By C. Christopherson & Co., 6 Lloyd's Avenue, London, E.C.3. 496,172. (Associated.)

"KLEX"; for all goods (47) and (48). By The Palmolive Co. (of England), Ltd., 21-23 Eagle Street, High Holborn, London, W.C.1, and The Palmolive Co. of Canada, Ltd., 64 Natalie Street, Toronto, Canada. 494,013/014. (Associated.)

"COROMAY"; for a liquid hand-cleaning preparation (47). By J. Stephenson & Co., 83 Queen Victoria Street, London, E.C.4. 496,564.

"LA POUCRÉ"; for perfumery, etc. (48). By J. H. Roberts and A. E. Langley, 19 Hanover Square, London, W.1. 497,131.

(From "The Trade-marks Journal," January 2, 1929.)

"FOSALSIL"; for all goods (1). By Moler Products, Ltd., 8 Old Jewry, London, E.C.2. 494,260. (Associated.)

"THICKYGANTH"; for all goods (1). By F. Sichel Kommandit-Gesellschaft, 26 Südfeldstrasse, Hannover-Limmer, Germany. 497,439.

"CLAUDEN"; for chemicals (2), medicinal chemicals (3) and for perfumery, etc. (48). By A. Karreth, Zielstattstrasse 9, Munich 25, Bavaria, Germany. 496,931/932/933. (Associated.)

"SEQUIETAN"; for all goods (2). By Chemische Fabrik Marienfelde G.m.b.H., Grossbeerenstrasse 46-52, Berlin-Marienfelde, Germany. 496,983.

"IRIS BRAND" with picture of iris on oblong shape; for chemicals (2). By Société Anonyme Des Usines Dior, 7 Rue d'Athènes (9), Paris. 497,294.

"ENDOMA"; for all goods (3). By E. H. Spicer & Co., Ltd., 72 Wigmore Street, London, W.1. 494,865.

"GUESTO"; for liquorice, linseed liquorice and chlorodynes lozenges, iodised throat lozenges, and bismuthated magnesia lozenges (3). By T. Guest & Co., Ltd., 92 Car-ruthers Street, Ancoats, Manchester. 494,927.

"LAXOVITOL"; for all goods (3). By P. Dvorkovitz, 19 Victoria Street, Westminster, London, S.W.1. 496,726. (Associated.)

Modern Wall-Fixtures

It is not always realised by the retail chemist that the difference between fittings and fixtures is not merely a matter of expression. Like several other terms in the nomenclature of shop equipment, they are both used rather loosely. "Fixture" is often accepted as a broad term for all the larger items of shop furniture, such as showcases, dispensary screens, counters, wall-cabinets and shelves, and so on, while the term "fittings" is applied to the smaller display accessories, used on the counter and in the window, and to any items of shop furniture that do not appear to be large enough to justify their inclusion under the category of fixtures.

Actually the term "fixture" is self-explanatory. Correctly used, it is the description for all shop equipment of the non-portable, non-collapsible and non-adjust-

a good impression of his enterprise and of the up-to-date character of his business by a frequent rearrangement of his shop interior. The first thought in planning a chemist's shop is so to arrange the furniture and equipment that without detracting from the professional character of the business the maximum facilities are afforded for display, the latter being, of course, commensurate with the floor space, and permitting an unimpeded passage for customers and assistants. For these reasons the necessity for portable or adjustable wall-cabinets does not arise, and the wall-fixture is to be recommended.

In the more capacious shops, however, it is an advantage to have a portable unit in the form of a supplementary wall-fitting or central showcase, which can be transferred to any section of the shop where for seasonal purposes the display needs augmenting. Modern

wall-fixtures and wall-fittings, however, have one feature in common—they both afford ample scope for display; and except for the introduction of a drawer or a cupboard here and there, they leave the contents of the shelves or showcases exposed to full view of the customer.

Standardised wall-fixtures are, of course, obtainable; but generally the chemist will find it preferable to have them constructed to suit the conditions of his shop. The height for a wall-fixture ranges from 7 ft. 6 in. to 9 ft., and those shown in Figs. 1 and 2 are good representatives of examples of modern types. These illustrations have been reproduced from drawings loaned by Mr. Percy R. E. Josephs, 68 Old Street, London, E.C.1. These may be fitted with wood or glass shelves, which fit into square-cut niches arranged at one-inch intervals. The shelves are thus easily adjustable. Fixtures of this description conform to modern requirements in that they afford means for combined storage and display, for reasonable quantities of each particular line may be arranged on the shelves without mitigating against the attractive effects or preventing the contents from being easily visible to both customer and assistant.

In the fixture shown in Fig. 1 the depth of the top section is 6 in. and of the bottom portion 12 in. Similar fittings can, however, be obtained 1 ft. deep at top and 2 ft. in lower section. The fixture shown is fitted throughout with opening glass doors, with one section containing five drawers in the centre of the bottom section. The recesses in the upper part provide scope for "free" dressing, so that the fixture as a whole affords ample facilities for display, and is eminently suitable for use on the customer's side of the shop.

The unit shown in Fig. 2, known as a drug fixture, is constructed to fit any spaces, for the various sections are standardised and, by the elimination of one or two of the central sections, it can be reduced to desired proportions. The upper part is fitted with open shelving, except for the second section from each end, which takes the form of a showcase for the more delicate lines. The lower part has a cupboard at each end, two wide sections with open shelving, and in the centre a series of drawer units, underneath which are two smaller cup-



Fig. 1

able type. It will thus be seen that, applied to many of the showcases and wall-cases in a chemist's shop, it is a misnomer, and the portable and adjustable articles thus described should really be included under the heading of fittings, while the smaller items, such as pedestals, counter showcases, tier-shelf stands, and so on are more correctly described as display sundries or accessories.

This segregation of general shop furniture and equipment into three sections may appear invidious to readers not accustomed to making a close study of the planning of their shops; but if a clear line of distinction is drawn between the three, a study of the subject is made considerably simpler, and the danger of ambiguity is avoided. Moreover, for inventory and stocktaking purposes, or in handing over or taking over a business, a knowledge of the correct terms for all items of shop furniture is a decided advantage.

The chemist, unlike most other retailers, does not give

boards with double opening doors. Each drawer is fitted with glass labels and cut-glass knobs. The fixture shown is 14 ft. in length, with a depth at the top of $4\frac{1}{2}$ in. and at the bottom 9 in. It is intended for use behind the counter.

An essentially modern wall-fixture is that shown in Fig. 3. This was designed and erected for Rule & Co., Ltd., chemists, Butts Green Road, Emerson Park, Hornchurch, by Frederick Sage & Co., Ltd., Gray's Inn Road, London, W.C.1. As will be seen from a glance at the illustration, this fixture is constructed as a showcase throughout. It is 10 ft. long and 8 ft. high, the upper part being 8 in. deep, and the lower part 1 ft. 2 in. deep. The case is fitted with eight frameless clear-glass sliding sashes, and the interior is painted black and equipped throughout with wood shelves on racks.

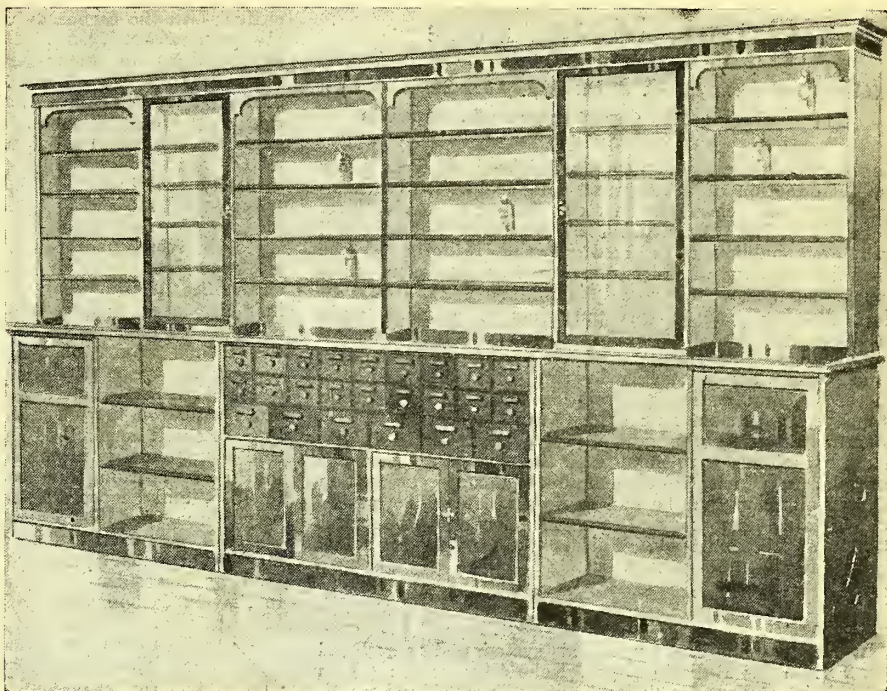


FIG. 2

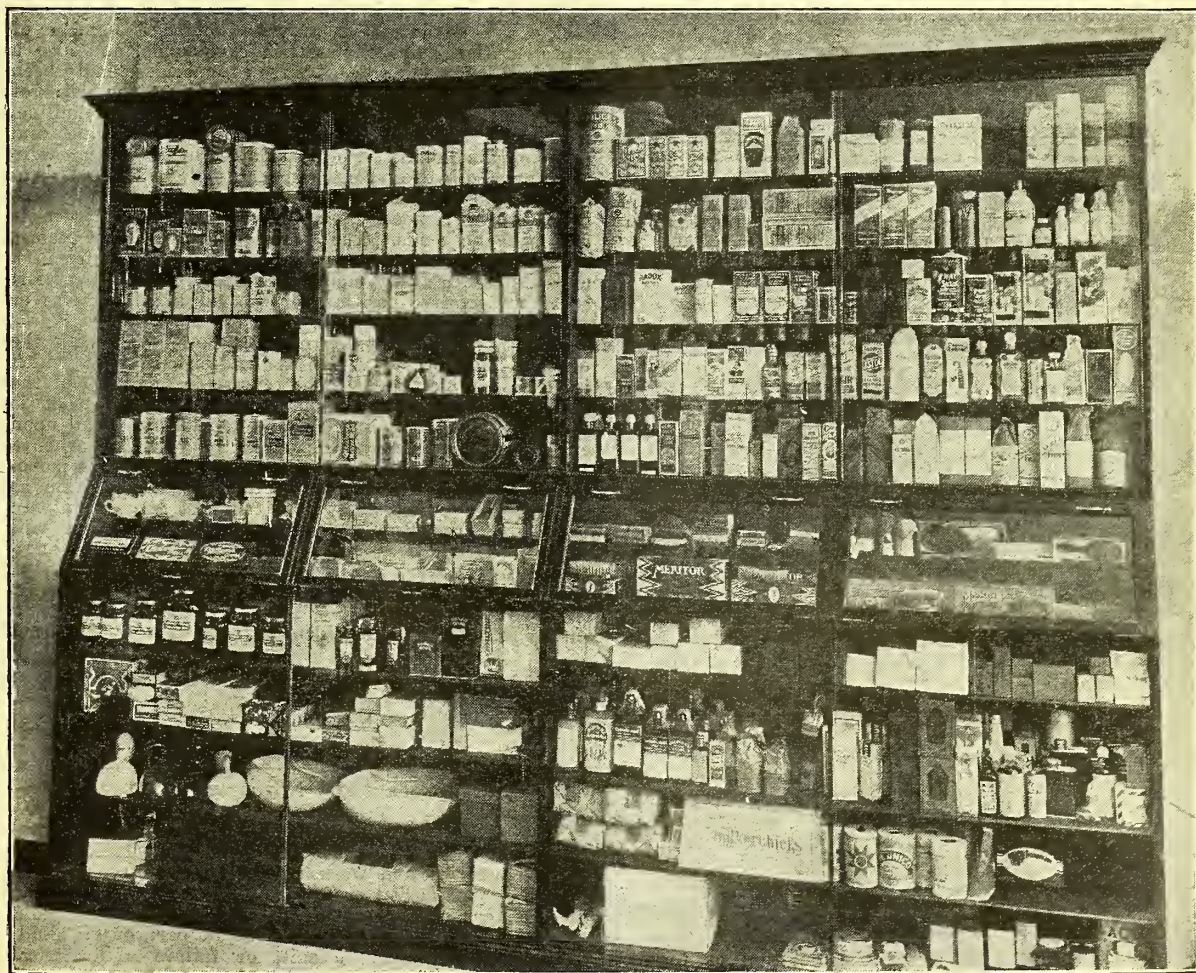


FIG. 3

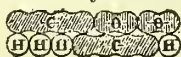
Ortho, Meta, Para

By Leonard Dobbin, Ph.D.

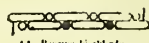
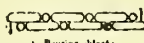
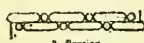
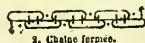
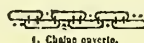
(Continued from the C. & D., November 24, p. 644.)

III.—Kekulé: The Constitution of Aromatic Substances

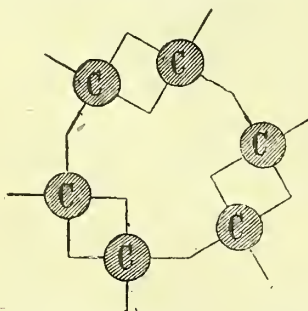
As is well known, chemistry is indebted to Kekulé for the introduction of a consistent and comprehensive comparison and classification of benzene derivatives. Kekulé's "The Constitution of Aromatic Substances" was first published in 1865 in the Bulletin of the Chemical Society of Paris, having been presented in a paper read before the Society on January 27, 1865. In the following year it was published in a much more extended form in Liebig's "Annalen," and in the second volume of Kekulé's own text-book of organic chemistry, which was then appearing in fragmentary instalments. In the first publication, the relationship of the six carbon atoms of the benzene nucleus, as Kekulé conceived it, was not illustrated by the now familiar hexagonal formula, but by what has been nicknamed the "roll-and-sausage" formula, in which Kekulé employed a cumbrous system of symbolisation that he had devised at an earlier period for certain elements and had mentioned in the first volume of his text-book. This is the formula for acetic acid as it appeared in that system:—



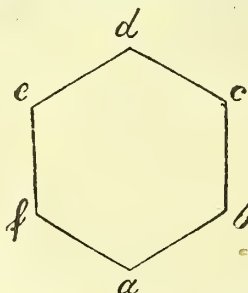
In the diagrams based upon this system and reproduced below from his Bulletin paper, Kekulé contrasts: (1) an open chain, C_nX_n , with (2) a closed chain, C_nX_n (where X , representing the dots in the diagrams, may stand for univalent atoms), and represents in (3) benzene C_6H_6 ; in (4) chlorobenzene C_6H_5Cl , and in (5) dichlorobenzene $C_6H_4Cl_2$.



Kekulé considered that by the aid of the next diagram, reproduced from his text-book, the character of the closed chain was perhaps more clearly presented than in the diagrams of the Bulletin paper:—



The first published example of Kekulé's hexagonal formula appeared in his 1866 paper in Liebig's *Annalen*, already referred to, and it is reproduced here:—



At the outset, Kekulé raised the question as to the equality or otherwise of all six of the hydrogen atoms

united with the carbon in the six-carbon benzene nucleus. He pointed out that if they were not equal, isomeric modifications of mono-derivatives might be expected, whereas none was known. Therefore he decided to proceed upon what was the simplest assumption, namely, that they were all equal. This matter was afterwards made the subject of a detailed examination by Ladenburg, who advanced ingenious arguments, founded upon experimentally ascertained facts, in proof of the equality in function of all six of the hydrogen atoms in benzene. Basing his hexagonal formula upon the assumption as to the equality of the six hydrogen atoms in benzene, and upon the further assumption that the observed occurrence of isomerism among benzene derivatives was, in many cases, to be attributed to the different positions occupied by substituting atoms or groups with respect to the carbon atoms of the carbon nucleus, Kekulé proceeded to count the numbers of possible isomerides amongst di-, tri-, etc., substituted benzene derivatives. Since attention in this and the succeeding instalments of the series will be confined almost exclusively to di-substitution compounds, it is not necessary to follow him further in this connection than to mention his view, advanced in 1865, and accepted to-day, that there are three, and only three, possible isomeric modifications in the case of each set of di-substitution compounds whose isomerism depends solely upon the relative positions occupied by the substituting atoms or groups with respect to the six carbon atoms of the carbon nucleus, and this irrespective of whether the two substituting atoms or groups are similar or different. This view Kekulé illustrated by reference to the hexagonal formula; the positions of the substituting atoms or groups being *ab*, *ac*, *ad*, respectively.

At the time at which this view was advanced, there were known a number of representative pairs of isomeric compounds, and also a few instances in which three isomerides had been described. Examples of the former were the pairs of substances known as chloraniline and parachloraniline, nitraniline and paranitraniline, phenylenediamine and paraphenylenediamine, while examples of the latter were the three dihydroxybenzenes, catechol, resorcinol, and quinol, and the three mono-hydrobenzoic acids, which were known respectively as oxybenzoic, paroxybenzoic and salicylic acids. The prefix *para*-, in those names mentioned in which it occurs, was used originally in a distinctive sense only, and had no reference to any view as to the relative positions of the substituting atoms or groups within the molecule.

In his original *Annalen* paper, Kekulé dealt with the question of how to arrive at a decision as to which isomeric modification is to be represented by each of the formulae suggested by theory, and considered that it might be possible to reach sound conclusions based upon experimental evidence. He stated the view that when a second bromine atom is substituted for hydrogen in monobromobenzene, it will tend to take up the position as far removed as possible from the first bromine atom: that is, if the first one is at *a*, the second one will replace the hydrogen atom at *d*. This view was questioned by Baeyer, who pointed to the known case of the action of chlorine upon ethyl chloride which results

in the formation of ethylidene chloride $\begin{matrix} CH_3 \\ | \\ CH_2Cl \end{matrix}$ and not $CHCl_2$

of ethylene chloride, $\begin{matrix} CH_2Cl \\ | \\ CH_2Cl \end{matrix}$

(To be continued.)

DAINGEROUS OCCURRENCES NOTIFICATION ORDER, 1928.—The Home Secretary has issued an Order (S.R. & O., 1928, No. 876, Stationery Office, 1d.) extending the provisions of the Notice of Accidents Act, 1906, which affects factories and workshops, to certain occurrences, including "explosion or fire . . . due to (i) the ignition of dust, gas or vapour, or (ii) the ignition of celluloid or substances composed wholly or in part of celluloid, or (iii) electric short circuit, or failure of electrical apparatus."

Trade Notes

AUTOMATIC SALES MACHINES.—Auto-Dore, Ltd., 439-41 Oxford Street, London, W.1, refer elsewhere in this issue to the advantages which may be derived from the installation of automatic machines.

BUSH MEASURES possess all the attributes of a well-made article—strong, clear glass, a good foot, an easy-pouring lip and distinct markings. They are obtainable through the usual wholesale channels.

NEW PRICES.—Allen & Hanburys, Ltd., Bethnal Green, London, E.C.2, inform us that the wholesale price of Allenburys Milk Cocoa was reduced on January 1. The new retail prices (2s. and 2s. 6d.) come into operation on January 26.

MISTS OF THE MOON SHOWCASE.—Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, ask us to draw the attention of chemists to the fact that the free showcase offered in connection with their Mists of the Moon suite is at present only available for retailers in Great Britain and Ireland.

CAMERA CATALOGUES.—Houghton-Butcher (Great Britain), Ltd., 88-89 High Holborn, London, W.C.1, have issued the 1929 edition of their Ensign photographic catalogue of cameras, accessories and materials. Dealers who desire lists printed with their own name and address should write to the above address for particulars.

C. & D. DIARY.—Sistomensin, the title of the standardised ovarian hormone made by The Clayton Aniline Co., Ltd., 40 Southwark Street, London, S.E.1, was omitted from page 174 of the *C. & D. Diary*, 1929.—The name of Wheeler & Huisking, Ltd., 26 Great Tower Street, London, E.C.3, should also appear in the Buyers' Guide section, in respect of Canada balsam.

COUGH CANDY.—Judging by the inquiries we have lately received, cough candy seems to be in almost unprecedented demand. As it is not an altogether simple matter to produce a really satisfactory article, chemists will as a rule find it preferable to buy the candy rather than make it. One brand we have recently tasted is that prepared by Ayrton, Saunders & Co., Ltd., manufacturing chemists, 34 Hanover Street, Liverpool—Ayrton's Cough Candy—the palatable and medicinal qualities of which have resulted in exceptional business for a large number of the company's customers. Further particulars will be found in the advertisement pages.

PARKE, DAVIS & Co.'s NEW PRODUCTS.—One of the latest preparations to be placed on the market by Parke, Davis & Co., manufacturing chemists, Beak Street, London, W.1, is Metatone, which contains vitamin B extract fortified with nucleic acid and the glycerophosphates of calcium, sodium, potassium, manganese and strychnine.—The injection treatment of varicose veins is now widely used in this country, and for this purpose the firm supplies Glaseptic ampoules containing 2 c.c. of quinine and urethane solution of the strength most generally employed. They also supply Glaseptic ampoules containing 5 c.c. of a 30 per cent. solution of sodium salicylate, and similar sized ampoules of sodium salicylate compound, which contains in addition 10 per cent. of sodium chloride.

A COMPREHENSIVE CATALOGUE.—One of the most useful works of reference in a chemist's business is an up-to-date and comprehensive price list, and among those in the forefront in this respect is that issued by May, Roberts & Co., Ltd., Clerkenwell Road, London, E.C.1 (and at Dublin, Liverpool and Plymouth), a copy of the latest edition of which has just reached us. Chemists who do not receive one within the next few days will find it worth writing for. The list measures 8½ in. by 11 in., contains over 400 pages, and is profusely illustrated. It is divided into five parts, dealing respectively with druggists' sundries, patents, photographic goods, stationery and tobacco, and drugs (bulk and packed). A thumb index facilitates reference to the various sections and preceding the patents is a list of proprietary articles affected by the Labelling of Poisons Order.

Personalities

MR. H. BURTON CLARK, chemist and druggist (Beetham & Clark, chemists), Cheltenham, dealt with the history of pharmacy in a recent address before the local Rotary Club.

MR. F. J. DYER, B.Sc., Ph.C., has, on medical advice, resigned from the position of head of the Pharmacy Department at the Bradford Municipal Technical College.

COUNCILLOR W. H. KEMP, J.P., chemist and druggist, Fenton, chairman of the Stoke-on-Trent Town Planning Committee, has also been appointed chairman of the Watch Committee.

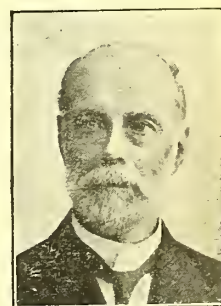
MR. FRANK HANCOCK, chemist and druggist, Weymouth, contributed to "The Daily Telegraph" of January 9 a vigorous defence of the chemists' position with regard to the National Health Insurance drug fund.

At a recent meeting of the Pharmaceutical Society's board of examiners for England and Wales the chairman (the president of the Society, Mr. Herbert Skinner) presented to Mr. H. N. Linstead, secretary and registrar, an inscribed plate for fixing on the wedding present (which will take the form of a bookcase) from the English and the Scottish boards of examiners.

ALDERMAN GEORGE WHITFIELD, J.P., chemist and druggist, and his wife (Mrs. COUNCILLOR WHITFIELD) are proposing to have a two months' tour round the African coast, leaving London by the s.s. "City of Nagpur" on January 19. Calls will be made at Cape Town on February 8 (for five days), and at Durban on February 20 (for four days). Mr. and Mrs. Whitfield hope to have the opportunity of meeting chemists in these towns.

MR. J. A. KENNINGHAM, secretary and treasurer of the Proprietary Association of Great Britain, left Liverpool, with Mrs. Kenningham, on board the s.s. "Nestor" on January 5. Mr. Kenningham, who is visiting South Africa, Australia, New Zealand, Canada and the United States, has been granted leave of absence by the Executive of the P.A.T.A. (of which he is organising secretary), and will be away for about seven months. Among the friends of Mr. and Mrs. Kenningham who bade them farewell at Euston on January 5 were Lady Glyn-Jones, Mr. Alfred Higgs (president of the P.A.T.A.), Mr. C. H. Ratcliffe (vice-president of the Proprietary Association) and Mr. H. E. Chapman (general secretary of the Proprietary Articles Trade Association).

MR. ALFRED CLAY ABRAHAM, F.I.C., Ph.C., managing director of Clay & Abraham, Ltd., Bold Street and Lord Street, Liverpool, has retired after being actively associated with the business for fifty-seven years. Mr. Abraham, who was educated at the Liverpool Institute, studied at Edinburgh, and then in the laboratories of the Pharmaceutical Society in London. He qualified in 1876, and passed the Major examination in 1878. Mr. Abraham has contributed many papers on pharmacy and chemical subjects to the pharmaceutical and chemical Press, most of the earlier papers having been read before the Liverpool Chemists' Association. He served on the Council of the Pharmaceutical Society for several years, and also on the Conference Formulary Committee, from its inception in 1886 until the work was taken over by the Council of the Society. He acted as secretary of the Liverpool Chemists' Association, and for two years occupied the presidential chair. A brief account of the business of Clay & Abraham, Ltd., appeared in THE CHEMIST AND DRUGGIST Special Issue, 1920; it may, however, be mentioned that the Bold Street shop was opened in 1845, and that the firm was converted into a limited company in 1911. Mr. John Fell Abraham, son of the late Mr. Thomas Fell Abraham, is now joint managing director with Mr. George E. Marshall.



MR. A. C. ABRAHAM

Births

Notices for insertion in this column must be properly authenticated.

GORDON.—At Airtully, Lanark, on January 4, the wife of J. H. Gordon, chemist and druggist, of a daughter.

Marriages

CRAWFORD—DICK.—At Central U. F. Manse, Glasgow, on January 4, Alexander Crawford, chemist and druggist, to Jessie Hynds Dick.

FRANCIS—COOKE.—At Wellow, Isle of Wight, on December 31, 1928, Nehemiah Francis, Ph.C., lecturer in pharmacy at the Portsmouth Municipal College, to Flora Ruby Cooke, B.A.

Deaths

CROMPTON.—At 469 Walmersley Road, Bury, Lancs, on December 31, 1928, Mr. Henry Crompton, retired chemist and druggist, for a long period in business in Stanley Street and Fishpool, Bury, aged seventy. Mr. Crompton was a former director of the Bury Athenæum Society.

DAVIES.—At St. Thomas's Hospital, London, S.W.1, on January 1, following an operation, Mr. David Davies, chemist and druggist, 226 Bute Road, Cardiff. Mr. Davies, who had been in business for about twenty years, was very popular with his customers. He was a deacon, secretary and treasurer of Bethania Welsh Calvinistic Methodist Church, Cardiff. Mr. Davies leaves a widow and a son, Dr. Emrys Davies, of St. Thomas's Hospital, London. The funeral took place at Cardiff Cemetery on January 5 in the presence of a large assembly of relatives and friends. The following attended on behalf of the Cardiff Pharmacists' Association: Mr. J. D. Jenkins (president), Mr. Owen Jenkins, Mr. G. Thomson Williams, and Mr. Edwin Poole.

GALBRAITH.—At Portobello, on January 3, Mr. Walter Swan Galbraith, chemist and druggist, 52 Paisley Road West, Glasgow. Mr. Galbraith qualified in 1899. Death was due to drowning.

GILL.—At his residence, Seedley Road, Pendleton, Manchester, on December 26, 1928, Mr. Joseph William Gill, Ph.C., aged seventy-eight. Mr. Gill carried on until his retirement last June the business at Pendleton (with its branches) established by his father, the late Mr. Samuel Gill.

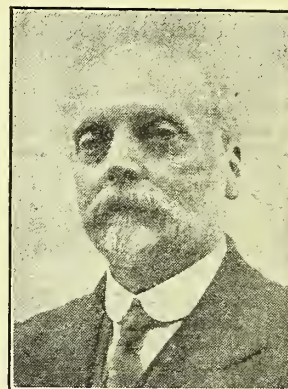
GOURLAY.—At Lytham, on December 19, 1928, Mr. Henry Hamilton Gourlay, Ph.C., aged sixty-four.

HALTON.—At his residence, Keristal, Brunswick Road, Douglas, Isle of Man, on December 31, 1928, Mr. William Henry Halton. Mr. Halton was for sixty years in business as a chemist at Market Hill, Douglas, in succession to his father. The business is being continued by his son.

NEALE.—At Bradford, on December 21, 1928, Mr. George Neale, chemist and druggist, aged sixty-six.

RIVETT.—On December 14, 1928, Mr. Arthur James Rivett, chemist and druggist, Wynberg, Cape Town, aged seventy-three. Mr. Rivett, who was born in Great Yarmouth, and was one of the apprentices of the late Mr. Joseph Wright, chemist, King Street, passed the Qualifying examination when little more than seventeen years of age. After a few years' further experience in this country, he went to Cape Colony, where he managed businesses at East London, Beaufort West, and elsewhere. In 1907, after a visit to his home land, he took over the pharmacy at the corner of Main Road and Church Street, Wynberg, where he has been a popular member of the community. Mr. Rivett is survived by three sons and two daughters.

ROE.—On January 7, Mr. George Roe, chemist and druggist, 317 Lillie Road, London, S.W.6, aged sixty-three. Mr. Roe was born and apprenticed at Hemel Hempstead. He qualified in 1889, and was for several years chief pharmacist at the Hospital for Women, Soho Square, London, W.1. During that time he contributed several notes on dispensing problems to THE CHEMIST & DRUGGIST; he was the originator of a glyco-gelatin pill-excipient (*C. & D.*, 1901, II, 1044), afterwards adopted under his name in "The Art of Dispensing" and in "Pharmaceutical Formulas." Eventually Mr. Roe acquired two businesses in Fulham, S.W., one of which he recently sold. He was one of the first dispensers to adopt a long coat of drill or holland when working. Mr. Roe was for a long period an active member of the Western Pharmacists' Association, and represented it on the London Pharmaceutical Committee.



MR. GEORGE ROE

WATTS.—At 11 St. David's Road South, St. Anne's-on-the-Sea, on January 1, Clara the beloved wife of Mr. Arthur James Watts, late of Attercliffe, Sheffield, and mother of Mr. A. A. Watts, chemist and druggist, and Mr. E. S. Watts, chemist and druggist.

WILLIAMS.—At 74 Woodville Road, Cardiff, on December 26, 1928, suddenly, the mother of Mr. W. R. Williams, dentist, chemist and druggist.

Business Changes

MR. GEOFF. CROWDER, chemist and druggist, has opened a pharmacy at 464 Holderness Road, Hull.

MR. J. F. WATTS, chemist and druggist, has taken over the business of Jones (Mexborough), Ltd., Swinton Bridge, Yorkshire.

DAVIES, JOHN & ASPELL, chemists, 15 Old Bond Street, Bath, have acquired the business of Mr. J. B. Howard, chemist and druggist, 25 Market Place, Frome.

MR. WALTER J. FORTNAM, chemist and druggist, has purchased the business (established in 1760) associated with the names of Meacham and Bennett, and carried on for the last thirteen years by Mr. W. Harrison-Osborne, at 14 High Street, Ledbury.

MESSRS. WOOD, chemists, Windsor, have opened a new branch pharmacy at 37 Bath Road, Slough, under the management of Mr. R. F. Kirby, chemist and druggist, who has for many years been in charge of the dispensing department at the Windsor business.

MR. W. W. HUNTER has taken over the business of Mr. A. Ernest Owen, chemist and druggist, established in 1847, and carried on as W. Owen & Son, 151 Barras Bridge, Newcastle-upon-Tyne. Mr. Hunter has been manager for ten years.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

B/41. Era atomizers	M/71. Hygena steriliser and
S/51. Gibbon's chilblain	spray
treatment	B/71. Sulphur and Iodine
R/31. Tétradol emulsion	Injection

Observations and Reflections

By Xrayser III

Your Advice

at the beginning of the New Year, that we should be prepared, is as well-timed as it is necessary. There probably never was a time when we were more in need of the reminder that prompt action, and that of a forceful kind, may be required of us at no far distant date. Up to a point we have kept ourselves prepared for a long time past, but prolongation of the period of suspense has tended, as ever, to induce a feeling of relaxation, and that must not be allowed to overcome us. The position of pharmacy as a business and profession is critical, and it is essential that we should remain continually on the alert to prevent any unjustifiable interference with our rights and privileges. You forecast the likelihood of the Poisons Committee presenting a report in which some change will be proposed in the method of administering the poisons law of the country (*C. & D.*, January 5, p. 16), and it may be that we shall not be able to prevent such change being effected. But we can, and must, insist upon adequate safeguards being provided, so that we shall not be entirely under the heel of Government officials. Experience of the working of the Dangerous Drugs Regulations has afforded some idea of what may be expected if officialdom has its way without check, and it is imperative that we should strain every nerve to ensure the provision of proper safeguards.

Our Society

must be maintained as the body that controls pharmacy, whatever may be done in the way of modifying poisons law administration. Otherwise it may as well be scrapped, and a new defensive organisation be set up. I see no reason, however, why we should despair of maintaining the Pharmaceutical Society in its present proud position as the capable representative organisation of every chemist and druggist on the Register. The non-member whose reflections have recently found place in your columns (*C. & D.*, January 5, p. 10) is critical of details, but even he, I imagine, would prefer to support the Society rather than be placed under the unchecked control of Government officials. His reflections are those of an observer of symptoms, who neglects the causes of what he deprecates and is unable to understand. Let us hope that he will read and profit by the reply of the member of the Society who has been at pains to enlighten him, and I would add that he should also read with close attention your editorial advice to all of us that we should be prepared. Let me, in particular, commend to his careful consideration the desirability of contributing handsomely to the Pharmaceutical Parliamentary Fund, even if he cannot bring himself to the point of giving direct support to the Society which safeguards his interests, whether he wishes it or not.

A Secretary

to the Pharmacopœia Commission is wanted, I observe, but I should doubt if the right man can be attracted by the terms as set out in the advertisement published in your Coloured Supplement last week. It is specified in the first place that candidates must have a special knowledge of chemistry, and should hold a pharmaceutical qualification; further, that a medical qualification and knowledge of foreign languages will be regarded as additional recommendations. Yet the proposed salary is only £500 per annum, and that for a full-time post! The thing is preposterous, as it is inconceivable that a really suitable person can be secured for the position on such terms, even without the medical qualification and knowledge of foreign languages. A fully competent pharmacist, properly equipped for the work, should be able to command at least £800 per annum, and my estimate of the amount that should be offered is higher still. Moreover, I fail to see why the person appointed should be precluded from undertaking other work, as there are many directions in which the secretary of the Pharma-

copœia Commission might be usefully occupied as adjuncts to his main task. The redeeming feature of the situation is that a pharmacist is definitely stipulated for the new position. This is as it should be, and the General Medical Council is to be congratulated upon its wise decision in this respect.

Tradition and History

indicate that it was some time between the eighth and eleventh centuries of the Christian era that the peculiarly exhilarating properties of Indian hemp became generally known. There is, however, a very early reference to hemp (*κάνναβις*) by Herodotus (fifth century B.C.), from which it may be inferred that at that period something was known of its intoxicating powers. In his fourth book he says that the Scythians took hemp-seed and put it upon hot stones, and themselves crept under cloths and steamed themselves with the fumes from the heated seeds. This vapour bath had so exciting an effect as to cause them to shout aloud. This author also gives a brief account of another tribe which intoxicated itself by inhaling the fumes of certain fruits thrown upon a fire around which they sat until they were excited to the point of singing and dancing. It may well be that these effects were largely due to the fruiting tops of the plants from which the seeds were not thoroughly freed. Quite recent researches have shown that Indian hemp is more exhilarating when inhaled than when swallowed. This use of this plant appears to have been unknown to the early classical authorities on medicine. Dioscorides, Galen and Pliny the elder all mention hemp; but their accounts of its medicinal value are confined to those of the green seed, with the exception that Pliny says a decoction of the root is good for shrunken sinews and for the gout, and he recommends a liniment of it for burns and scalds. To appreciate the importance of Indian hemp and the part it plays in human affairs we have to turn to the literature associated with it in India, Persia and the contiguous countries, where anything from 100 to 200 millions of people employ it in some form or other for the purpose of self-intoxication consequent upon the baleful example of Hassan ben Sabbah and his assassins. As a medicament it occupies no conspicuous place in our therapeutics, but in the daily lives of millions of our fellows in distant parts of our Empire it is an agent of enormous importance.

In the Middle Ages

Indian hemp, in the form of hashish, acquired a reputation so evil that its name has become the foundation of the designation of all treacherous murderers. Readers of Edward FitzGerald's introduction to his translation of "Omar Khayyam" are familiar with the account he gives of the connection Omar had with his two friends, of whom one—Hassan ben Sabbah—became almost, if not quite, as famous as the poet himself. It was in the eleventh century that Hassan became the head of a sect of the Ismailites in Persia whose tenets were spread by the secret assassination of their obnoxious opponents. In order to endow his followers with the necessary inspiration for carrying out their sanguinary enterprises, Hassan taught them the use of hashish as an intoxicant. How the effect of this article was discovered Sir W. B. O'Shaughnessy tells in his monograph of the drug in the "Bengal Dispensatory." He says it is stated that "Haidar lived in rigid privation on a mountain between Nishapur and Rama, where he established a monastery; after having lived ten years in this retreat, he one day returned from a stroll in the neighbourhood with an air of joy and gaiety. On being questioned, he stated that, struck by the appearance of a plant, he had gathered and eaten its leaves. He then led his companions to the spot, who all ate and were similarly excited. A tincture of the hemp leaf in wine or spirit seems to have been the favourite formula in which Sheikh Haidar indulged himself. An Arab poet sings of Haidar's emerald cup—an evident allusion to the rich green colour of the tincture. The Sheikh survived the discovery ten years, and subsisted chiefly on this herb, and on his death his disciples planted it in an arbour round his tomb. From this saintly sepulchre the knowledge of the effects of hemp is stated to have spread into Khorasan."



(South American Tea)
Peek Bros. & Winch Ltd.

20 EASTCHEAP, LONDON, E.C.3

Recommended at the New
Health Exhibition for

RHEUMATISM, NEURITIS,
etc., and now on sale at all
leading West End Stores.

You will be wise to stock **Matté Real** while the present generous discounts operate for newcomers.

Sold in sealed packets at
1/6, 2/9, 5/- and 9/-
Carriage paid, less 33 1/3%

OINTMENTS

Attractive
1/2-oz. tins at 9/6 gross.
Zinc B.P., Boracic B.P., Basilicon B.P.,
Sulphur B.P., Cold Cream, Antimidge, Herbal.
Approval sample gross assorted 9/6 post free or
sample of each post free 5d.
C. A. STOKES & CO., LTD., CHEMISTS, BRISTOL.

CARAMIEL

Estab. 1880

(SACCH. U.S.T.)

L. Lambert & Co. Ltd. 4, PERCY ST.,
LONDON, W.1

FENNINGS' 50 YEARS' REPUTATION

Children's Powders

ADVERTISED EVERYWHERE. READY SALES.
ALFRED FENNINGS, Cowes, I.W.



TRADE MARK

From all
usual Wholesalers
or the
Sole Licensees.

"DARTRING" THE ORIGINAL

LANOLINE
TOILET
CREAMS

7 1/2 & 1 1/3 Tube
P.A.T.A.

LANOLINE
TOILET
SOAP

7d. Tablet
P.A.T.A.

All subject to 33 1/3%

BERNERS PROPRIETARIES LTD. 33 BERNERS ST.
LONDON - W.1

'Phone : Museum 6730.

Wires : "Dartringco, Wesdo."

Tubes and
vials of 24
Cat Units,
retail 3/6

From Wholesaler,
or the British
Empire Agents,

MATTHEWS LABORATORIES, LTD., CLIFTON, BRISTOL, ENG.

UPSHER SMITH
DIGITALIS
TINCTURE TABLETS

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting efficient agents who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

REGINALD W. BARKER & CO.

56 Ludgate Hill, London, E.C.4.



'ATOPHAN'
'VERAMON'
'NEUTRALON'

'MEDINAL'
'VALISAN'
'UROTROPIN'

'ATOPHAN' BALSAM.

Schering Trade Mark Products in steadily increasing demand. Intensively advertised to the Medical Profession.

Supplies may be
ordered direct,
and invoiced
through your
usual wholesaler.

Schering
LIMITED

3 Lloyd's Avenue,
London, E.C.3

Tel. : Royal 7580

EXTRA
RECTIFIED

ALCOHOL

FOR

PERFUMERY

Write for Prices

J. BURROUGH LTD. 1 Cale Distillery,
LAMBETH, S.E.11

Editorial Articles

Patent-Law Reform

SEVERAL interesting points are suggested in the "Report on the Reform of the British Patent System," prepared by a committee of the British Science Guild, that has lately been published. The report is a model of practical and lucid expression, and reflects the judicious manner in which the subject has been investigated by the committee since its appointment in April 1927. Lacking as it did Government inspiration, the inquiry must not be assumed necessarily to presage any change in the existing patent laws; but the standing of the British Science Guild and the qualifications of the members of the committee are such that careful consideration in official quarters of the recommendations contained in the report is certain. For the most part, these recommendations are concerned with details of procedure in relation to applications for and the grant of letters patent; but a few of the committee's suggestions introduce principles that are entirely new, at any rate so far as British practice is concerned. Of the recommendations falling under the latter heading, perhaps the most interesting is a proposal that there should be introduced in this country a system of "short term patents," as it is suggested they should be called, analogous to the Gebrauchsmuster (literally, "utility model") obtainable in Germany. Briefly, the object of these short term patents would be to introduce a form of protection that would be intermediate between the registration of a design and the grant of an ordinary patent. Appropriate subject-matter for patents falling within the new category would be an "invention" that does not, as in the case of a design, depend for its validity upon visual effect alone, and one that is, at the same time, not important enough, or not the fruit of sufficient ingenuity, to make an application for a patent of the usual kind either desirable or even possible. All that it would be necessary for an applicant for a short term patent to show would be that his innovation—a better word, perhaps, in this connection, than invention—is new and useful; he would not have to establish, as he does in the case of an ordinary patent, that the manufacture of the article or the exercise of the process that he desires to protect is an "art." Thus, short term patents could be granted for new and useful variations of known constructional forms and arrange-

ments of articles and, the committee adds, "possibly, also, for compositions characterised by the inclusion of new ingredients." But the committee does not favour giving protection in respect of mere variations in the proportions of ingredients or mere processes, owing to the difficulty, in such cases, of determining the precise scope of the monopolies, or proving prior user. Naturally, an essential feature of these "short term patents" would be that they could be obtained more simply, more promptly, and more cheaply than full term patents. They should remain in force, in the committee's view, for seven years at the most, and their scope would, of course, have to be narrow and strictly confined within the ambit of the claim. We believe that the introduction of these minor patents in this country would be both popular and beneficial. In Germany, "Gebrauchsmuster" have been available for many years, and about 18,000 are now registered annually—nearly twice as many as the number of ordinary patents granted. In framing others of its proposals the committee had in mind the urgent necessity in patent legislation to recognise more fully the progress of scientific discovery—notably in the realms of chemistry and biology. It is an established rule of law that in order that there shall be sufficient "subject-matter" for a patent the invention must be something more than a skilled workman could have been expected to produce by a mere application of the knowledge he has acquired in the course of his training. In other words, an invention in order to be patentable must be something more than an adaptation of an old idea—there must be evidence of a definite inventive ingenuity, a "brain wave," as one member of the committee aptly terms it. Naturally, every case has to be considered on its merits, and judicial decisions sometimes appear to be highly conflicting. The committee does not profess to know whether the term "skilled workman" would include a trained scientist engaged in research work; but it rightly considers that all doubts as to the validity of what may be called research inventions should be set at rest by according full recognition to inventions which have resulted from prolonged and meritorious research work. With this conclusion we entirely agree, but we do not share the committee's opinion that this result could satisfactorily be achieved by the Courts themselves without statutory intervention. We believe that, as a rule, judges are well able to weigh up the adequacy of the subject-matter of a patent; but they are bound by earlier judicial decisions, and if the laboratory is to be assured of all the protection it deserves, a fresh statutory definition of "subject-matter" is desirable. A plea is also made in the report for a wider interpretation of what constitutes a "manufacture" for which, alone, by reason of the Statute of Monopolies, a patent can be granted. The committee sees no reason why patents should not be obtainable for such inventions as new varieties of disease-proof plants, new applications of parasites for destroying weeds and other industrial applications of biological science, and suggests an extension of the meaning of the term "manufacture" to include biological inventions. This would, after all, be nothing more than a logical recognition of man's increasing ingenuity in the control of natural processes. It would, at the same time, be a concession to the inventor in the realm of agriculture of the same privileges and the same encouragement as are enjoyed by inventors in other industries. In view of the strong contrary opinion of the medical profession, the committee does not favour the grant of patents for "biological inventions subversing medical treatment." For the rest, the committee's recommendations are concerned mainly with changes in the details of the administration of the existing law. On the question of "anticipation," the committee takes the view that a patent should not be invalidated by the existence of a description of it in any document published more than fifty years before the date of the patent,

and that publication made by or derived from the inventor himself should in no case be a bar to his obtaining a patent provided that he applies for the patent within twelve months after the publication. Both these are sensible and desirable reforms, as also are the committee's suggestions for gradually extending the scope of the search undertaken by the Patent Office to test the novelty of inventions which it is sought to protect. At present, in this country, the official investigation of novelty is confined to earlier British patent specifications with the result that the validity of British patents is viewed in many quarters as being considerably less dependable than that of patents granted in the United States, Germany and certain other countries where the official "search" is, if not more thorough, at any rate much more extensive. What the committee suggests is that the Patent Office should, by degrees, add to the field of its search other documents—foreign patent specifications, text-books, technical journals, etc.—which might contain "anticipations." The change proposed would, undoubtedly, be costly and troublesome; but it would be well worth making if only to diminish the chances of a patent, once granted, being subsequently upset. Among other suggestions are that the time allowed for filing complete after provisional specifications should be extended from nine months to twelve; that the conditions of validity of a patent should be set forth specifically in the Patent Acts; that the legal remedy for unwarranted threats in connection with patents should be considerably strengthened; and that the availability to the public of information in the possession of the Patent Office should be extended. Of these and other proposals it may be said that some seem to be good and all unobjectionable, even if a few are scarcely worth bothering about. However, we imagine that certain recommendations for increasing the powers of the Comptroller will meet with general approval. In particular, all who have had experience of the expense and delay incidental to infringement actions in the Courts will welcome the suggestion that the Comptroller should be empowered to deal with disputes of this kind when both parties consent.

Second Thoughts

In the Supplement to "The British Medical Journal" of January 5, a report appears of a meeting of the London Panel Committee (see also p. 48 of this issue), at which an altered policy was decided upon in respect of pharmaceutical preparations. It will be remembered that the London Insurance Committee, with the approval of the Panel Committee, has for some time past been issuing lists of articles which panel practitioners were virtually forbidden to prescribe for the use of insured persons. These lists included not only foods, but also many preparations properly classed as medicines, though of a proprietary character. There was a lively correspondence in "The Times" about the expanded London list some months ago, and it was understood that the London Panel Committee proposed to give further consideration to the matter. The outcome is that, at the meeting of the Panel Committee held on December 18, the following recommendation was carried by a large majority:—

That the future policy of the committee be to put no restriction on the ordering of any medicinal preparation, but to leave the ordering of such preparations to the discretion of each individual practitioner, bearing in mind that the practitioner may be required to justify such ordering if called upon to do so by the Ministry of Health.

Dr. H. J. Cardale, who occupied the chair at the meeting, stated that for many weeks past he had been extremely uncomfortable with regard to the line which the committee had been taking, and that the ruling consideration must be not what a particular preparation contained, but whether it did the patient good. On the prohibited list there were a good many preparations

which it could not be deemed were drugs, and if they were drugs, why should they not be prescribed by the doctor in charge? It was, of course, unpleasant to have to admit an error, but the only straightforward thing to do was, he thought, to adopt the proposed recommendation. It meant that the Committee was going back to the position it held before it was asked (and agreed) by the London Insurance Committee to give opinions on various preparations. The recommendation was then carried, and we shall now be interested to learn what action will be taken by the London Insurance Committee. Further, we may add, our readers in the London area will naturally be anxious to know how soon they will be free to dispense any and every medicine panel practitioners may choose to order for their patients who are insured persons, and whether there will be a reasonable assurance that everything they so dispense will be paid for without deduction by way of discount.

Shellac Stocks Increase

A NOTABLE WEAKENING in the shellac market conditions has taken place during the past three months, this being attributed to the growth of reserve spot supplies, which, during December, have jumped from 6,381 to 19,469 cases. This total is but little short of three months' requirements, and shows an excess of approximately 4,000 cases compared with stocks on this date in the previous two years and 9,000 cases against that of three years ago. A feature of this product has always been the progressive rate of consumption from year to year, and it should be noted that this accumulation of stocks, which in December were 12,712 cases, is caused by heavy landings. This was at the rate of 152,000 cases per annum, compared with the actual figures of 89,559 cases for the whole of 1928, or a monthly average of 7,463 cases. These landings cannot, of course, be expected to be maintained at the same rate, but together with the exceedingly heavy exports from Calcutta during December—64,734 cwt., against 48,933 cwt. in December 1927—they have constituted an important subduing factor in the market. It is interesting to note that the purchases of America from Calcutta during December were as much as 39,002 cwt., leaving only 25,732 cwt. for other destinations. Within the last few months American stocks have been allowed to dwindle to very low dimensions. The market has exhibited some resistance, as testified by the restricted fluctuations of the past month, in spite of a somewhat more cautious trade demand. The fact may be mentioned that American trade advices are more optimistic, which will probably strengthen confidence in the existing value of T.N. Orange spot delivery, assuming that lighter shipments will be made for the current month. In consequence of the heavy flow of supplies from the primary source, the position at Calcutta where stocks had accumulated, has been relieved, as indicated by the resiliency which has developed there, with quotations standing at 89 rupees. The current spot price is still fully 25s. over the lowest figure touched in the past year, but there has been a setback of nearly 60s. from the top quotation reached in the earlier part of the year. The fact may be recalled that in July last the position was dominated by very low London stocks of only 7,797 cases as returned on June 30, and that the consequent rapid rise culminated with spot delivery selling up to about 240s. With the plenitude of supplies, which may be expected to continue for the next few months, it is obvious that new speculation is kept under restraint pending further developments in trade demand. But, in the meantime, there does not seem to be much fear of any serious depression from the current

level, while considerable importance continues to be attached to the potential demand and the marked expansion which had been experienced in the outlet for the manufacture of gramophone records within more recent years. As remarked in previous comments, some people well versed in trade possibilities believe that requirements will continue well in excess of the average of recent years. Below are tabulated the returns of monthly averages of landings and deliveries (in cases) for the last four years, with London stocks:—

London	Monthly averages		Stocks at end of period
	Landings	Deliveries	
1925	4,918	4,831	10,487
1926	5,515	5,078	15,894
1927	6,811	6,883	15,371
1928	7,463	7,122	19,469

In contrast with the year 1927, it will be seen that the average of the landings for 1928 has exceeded that of the deliveries by 341 cases a month. This excess is less marked than for the year 1926, while the increase of the outgoings during last year was not anything like so great as for the previous year. The total deliveries for last year were 85,461 cases, against 82,260 cases for 1927, and only 60,939 cases for 1926. The chances are that trade needs for the current year will easily break into new high records, while the United States may be expected to play a more important part, judging from the more optimistic reports received. Enlarged supplies from Calcutta have been so remarkably well absorbed in the latter part of the past year that, given lighter shipments over a certain period, stability would seem fairly well assured, inasmuch as the receipts should tend to decrease on this side within the current quarter and lead to a decline in the available stocks.

New Books

Who's Who. 8½ in. by 5 in. Pp. 3392. 45s. A. & C. Black, Ltd., 4, 5 and 6 Soho Square, London, W.1. [This annual handbook, now in its eighty-first year of issue, comprises more than 32,000 biographies of living persons, together with an obituary and a list of descriptive initials. Though no thicker than its immediate predecessor, it contains sixty-eight more pages. Its unique character has long since rendered it indispensable.]

Pollatschek, P.—*Die Raffination der Öle und Fette.* 9½ in. by 6½ in. Pp. 99. Marks 9.—Wissenschaftliche Verlagsgesellschaft m.b.H., Stuttgart. [A practical guide to the refining of oils and fats used in the manufacture of foods. The various mechanical methods, as well as chemical processes, employed on a manufacturing scale, are described in detail, based on the author's own experiences in this important branch of industry, so that the work can be regarded as embodying the views of an expert on this subject. Numerous illustrations of apparatus and oil refining plants are included in this useful work.]

Margival, F.—*Encres Usuelles and Encres Spéciales.* 7 in. by 4½ in. Pp. 180. Desforges, Girardot et Cie, 27-29 Quai des Grands-Augustins, Paris. [These little books are additions to the series published as Recueils de Recettes Rationnelles, and deal with various kinds of inks. The first gives the preparation of ordinary black and coloured writing fluids, drawing and copying inks. The employment of ink for drawing and various other purposes is described, and removal of ink marks and restoration of faded writing are also dealt with. The second treats more particularly of inks for special purposes, and includes more than 500 formulas for sympathetic printing and lithographic inks, as well as inks for special printing on cloth, metals, celluloid, packing materials, etc.]

Pharmaceutical Society of Great Britain Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on January 9, Mr. Herbert Skinner (president) in the chair. All the members were present. The president, at the outset, wished the members the compliments of the season, this courtesy being heartily reciprocated.

DEATHS

The PRESIDENT next made appropriate reference to the deaths of several men well known in pharmacy. The first of these was Sir William Turner Threlton-Dyer, an honorary member of the Society and a former director of Kew Gardens, who was particularly interested in the cultivation of economic plants. In 1884, the president recalled, Sir William delivered the inaugural address at the opening of the new session of the Society's School. There had also passed away Mr. Langford Moore, chief pharmacist at St. Bartholomew's Hospital and a valued supporter of the Society. He was formerly treasurer and vice-chairman of the Hospital Officers' Association, of which he was also one of the founders. The third death was that of Dr. W. G. Smith, a member of the board of examiners for Scotland. He (the president) was sure that the members would desire him to extend, in their name, sincere sympathy to the relatives. (Hear, hear.)

ELECTIONS AND RESTORATIONS

Ninety persons were elected members of the Society, and forty-six persons as student-associates. One person was restored to the Register, and a number of persons to the Society. The registrar reported that 122 persons had been registered as apprentices or students.

CORRESPONDENCE

A letter was read from Sir Clive Wigram, expressing the thanks of her Majesty the Queen for the Council's message of sympathy and good wishes on the occasion of the King's illness.

New Year greetings were received from the Pharmacy Board of Queensland, the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland.

The programme of the International Conference of Military Medicine and Pharmacy was submitted.

Mr. PECK, commenting on the arrangements as the Society's official representative on the Organisation Committee, said it was the fifth function of its kind. It would be held from May 6 to May 11 in the Grand Hall of the British Medical Association, and would be attended by about 2,000 delegates from this and fifty other countries. The discussions would not be particularly interesting, in the main, to pharmacists, being mostly of a medical character, but there would be a discussion on glassware and indiarubber ware. There would be an exhibition on the lines of the annual exhibition of the British Medical Association, and it would consist of drugs, dressings, surgical appliances and so on; there would also be a services exhibition, which would include the Army, Navy and Air Force. To this exhibition all medical men were invited, and he had got the invitation extended to all pharmacists. There would be at least 250 special invitations sent to pharmacists who liked to apply for them. Another feature of the congress would be a large number of excursions. Visits would also be paid to the museums, including the Wellcome Historical Medical Museum and that of the Royal College of Surgeons, while he had himself extended an invitation to the congress to visit the Society's Pharmacological Laboratories. The charge was 10s. for men and 7s. 6d. for ladies, and there was no extra charge for entertainment.

The PRESIDENT: Are any pharmacists from abroad coming as delegates?

Mr. PECK: At least ten or a dozen military pharmacists are coming from other countries.

Mr. ROWSELL said he hoped the Society would do something to recognise the pharmacists from other nations by extending hospitality to them in some form or other.

He was glad to find that Mr. Peck was on the exhibition committee, and that pharmacy would be so well represented on this occasion.

The PRESIDENT said he had not realised that the congress would be of such importance, and he was glad to hear Mr. Peck's report.

EDUCATION COMMITTEE

The report of the Education Committee showed that schools had been recognised for certain subjects in connection with the Society's examinations. For the Pharmaceutical Chemist Qualifying and Bachelor of Pharmacy examinations, Brighton and Cardiff Technical Colleges were recommended for recognition.

Mr. PECK said, with regard to Brighton, that he had accompanied the inspector, and was glad to report that the college authorities had adopted all the Society's suggestions, and the college now fulfilled all the requirements.

Mr. ROWSELL spoke highly of the arrangements made in Cardiff, where, he added, the authorities were providing facilities for illustrating and teaching the preparation of serums and vaccines. The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of the Committee showed that ten applications had been received, and grants made ranging from £3 to £30. The committee recommended that a Christmas gift of £10 be paid to each of the annuitants, with the exception of the seven to be elected; in these cases the bonus should be £5. The following special contributions were announced:—

Liverpool Chemists' Association (annual smoking concert), £110 18s.; Cheltenham Branch, £50; Manchester Pharmaceutical Association (smoking concert), £35 13s. 2d.; Portsmouth Pharmacists' Ladies' Committee, £17; F. S. Rose, £1; Blackpool Branch, £1 3s.; Young & Sons, 17s. 3d.; F. G. Holoran, 7s. 6d.; Hull Chemists' Trading Association, £2 10s.; E. G. Henry, £2 2s.; Williams & Peters, £2 2s. and £4 19s.; Liverpool School of Pharmacy (students' dance), £3; Bolton and District Branch, £3 5s. 6d.; North-East Lanes. Branch, £2 5s.; T. Coulson, £1 9s.; Bradford and District Branch, £2 13s. 6d.; Preston and District Pharmacists' Association, £5 1s. 4d.; S. T. & S. A. Milbank, £3.

Mr. SIMMONS also submitted his annual list of subscriptions to the Benevolent Fund received from the branches. He pointed out that the list showed that thirty-four branches had slightly reduced their contributions and eighty-three had increased them. All the Scottish branches showed an increase, but on the other hand all the London branches showed a slight decrease. He wished to explain, however, that the list did not include contributions to the Orphan Fund. For example, the West Ham Association had earmarked £25 from their subscription for the Orphan Fund. Although the position was not quite satisfactory, he believed they were still only at the beginning of the results which it was hoped would follow from the appeals made at the jubilee dinner. The average contribution for the whole of the country was 3s. 8d., as against 2s. 10d. per head, the largest individual increase being Cheltenham, whose contribution per member had increased from 4s. 5d. to £1 4s. 5d. That was due, as in the case of Liverpool, to the practical interest taken in the fund by the ladies associated with the branch. Cheltenham's record was remarkable, for they had fewer than fifty members. He hoped that other branches would copy the example. Other increases included Birkenhead, from 7s. 3d. to 11s.; Hull, 2s. 2d. to 8s.; Lancaster, 1s. 11d. to 6s. 8d.; Rhyl, 12s. 7d. to 15s. 7d.; Southend, 2s. 1d. to 5s. 9d.; Wolverhampton, 4s. to 7s. 9d. There were decreases in Manchester and Southport owing to other important appeals, but elsewhere special efforts were made. Carnarvon had dropped from 7d. per head to 3d. Pride of place for the highest contribution went to Liverpool, which was always a consistent supporter of the Fund. They contributed £160 16s. 3d., and actually increased from 10s. 10d. per member to 11s. 3d. on their previous effort. Cardiff, with its admirable system of collections, maintained its place at 9s. 9d. per member, despite the depressed conditions in South Wales. He was glad to

report that Mrs. Freke had again visited the orphans who were in the Society's institutions, and had presented each with a card and a book on behalf of the Council.

The PRESIDENT said he went to a dinner at Cheltenham, and was most gratified to receive a cheque on that occasion for £50 for the Benevolent Fund. There were only forty-eight members, and the ladies had made a special effort. Every pharmacist in Cheltenham was a member of the Branch, and he thought they had done well. With regard to the Metropolitan branches, he could only say "Go and do likewise." If they did, the result would be that there would never be any cause to complain of the position of the fund. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee reported that during the month three applications had been received, and recommended grants of £20, £26 and £60 respectively. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £4 18s. 1d., amounted to £7,982 1s. 6d., comprising the following items:—Subscriptions, £102 18s.; examination fees, £4,937 2s.; registration fees, £260 8s.; restoration fees, £1 1s.; certificates of qualification, £9 12s.; Pharmacological Laboratories, £412 13s.; penalties, £88 14s. 4d.; "Pharmaceutical Journal," advertisements, etc., £1,320 0s. 2d.; Quarterly Journal, £22 6s.; "Pharmaceutical Pocket Book," £23 2s. 1d.; Pharmaceutical Press publications, £24 1s. 5d.; Registers, £1 4s.; B.P. Codex, £97 7s.; interest on investments, £612 6s. 5d.; School of Pharmacy, £36 5s.; wage deductions for F.S.S.U., £26 16s.; sundries, £1 7s. Payments ordered at the last meeting amounted to £6,547 7s. 4d., and £1,350 was transferred to deposit account, leaving a balance of £84 14s. 2d. The balances on the other accounts were:—Benevolent Fund (current account), £5 7s. 5d.; Benevolent Fund (donation account), £21 6s. 4d.; War Auxiliary Benevolent Fund, £61 5s. 8d.; Orphan Fund, £13 1s. 6d. The report recommended that accounts amounting to £6,348 2s. 11d. be paid, and that the action of the secretary in making payments amounting to £1,074 17s. 4d. be approved. The committee further recommended that of the surplus on the general fund for 1928, £7,500 be transferred to the Building Fund. The report was adopted.

This was all the public business.

Branch Meetings

Bradford.—Mr. F. E. Burdett (M. Rogerson & Son, Ltd., chemists), a past-president and former secretary of the Bradford Pharmaceutical Association, gave a lantern lecture on December 6 to members of the Bradford Branch on *A Visit to Portugal, Madeira and the Canary Islands*. Mr. J. A. White, chairman of the Branch, presided. Speaking of Madeira, Mr. Burdett mentioned that the wine industry there was started by an Englishman named Drake over a hundred years ago. The prices charged for the various Madeira wines in Madeira were very high. Mr. Burdett showed pictures of dragon trees.

Huddersfield.—The Huddersfield and District Branch was addressed on December 6 on *Pharmacy and its Problems*, by Mr. John Keall. In the course of his address Mr. Keall gave an explanation of the organisation of the Society, and advised the Branch to help its Junior Section. He made an appeal for the Benevolent Fund, and urged members to give their full consideration to the Glyn-Jones Memorial. Mr. Keall touched upon the Pharmacological Laboratories and the Ex-Servicemen's League. He concluded his address on the question of pupilage. The address was followed by a discussion.

North Metropolitan.—A meeting of the North Metropolitan Branch was held at 17 Bloomsbury Square, W.C.1, on January 8, Mr. J. T. Walters (past-president) in the chair, to hear a lecture entitled *Ireland: Its Scenery and People*. There was a representative attendance of visitors, who were specially interested in Ireland on account of the British Pharmaceutical Conference

meeting in Dublin next June. Mr. Walters introduced the lecturer, Mr. George Fletcher, M.A., F.R.G.S., M.R.I.A., who made some interesting remarks on the Irish people, giving many stories illustrative of Irish wit and humour. The slides covered the country from Dublin to Cork, Connemara and the western coast. Reproductions of work from the Dublin museum depicted Irish history. Questions having been invited, Mr. Brewis gave an interesting account of early days in Ireland, and some of its personalities in pharmacy and chemistry. The chairman read two telegrams from Ireland, with an Irish note, and the Irish welcome to the Conference. Mr. R. R. Bennett, chairman of the Conference, proposed a vote of thanks, which Mr. T. Guthrie seconded. The vote was carried with enthusiasm, and the lecturer replied. Among those present were the president and vice-president of the Pharmaceutical Society (Mr. Herbert Skinner and Mr. L. Moreton Parry), Mrs. Freke, Mr. John Humphrey, Mr. A. H. Jenkin, Mr. F. G. Wells, Mr. P. F. Rowsell, Mr. J. Jack, Mr. E. H. Simmons, Mr. J. Downing, Mr. G. A. Tocher, Mr. J. P. Gilmour, Mr. H. Antcliffe, Dr. C. H. Hampshire, Mr. R. Fournace, Mr. E. S. Peck, Mr. F. E. Bilson, Mr. A. R. Melhuish, Mr. T. Marns, Mr. C. G. Bonner, Mr. T. Hardy and Mr. F. P. Sargeant.

Examinations and Examiners

WHAT are examinations, anyway? The late Sir Walter Raleigh, in "Laughter from a Cloud," said: "In examinations, those who do not wish to know ask questions of those who cannot tell." We can make far too much of examinations. They should be a means to an end, not an end in themselves. The examination has a place in education, pharmaceutical or any other kind. It is not the whole of education, the be-all and end-all here. Some would have us think that the Pharmaceutical Society's Qualifying examination and the Last Day of Judgment are one and the same thing; the fact is they are two different examinations. In the book just mentioned the following occurs: "God gave Faculties and the Devil sent Examiners." The fact remains that some method must be adopted to test the fitness and ability as well as the knowledge of the budding pharmacist. At present the most suitable method seems to be the examination. It should not be a test of memory only, but a serious attempt to gauge the ability to serve the community and apply that which the one examined has acquired. In short, it should be a test of genuine education in the art and practice of pharmacy. "Education" really means a flowing out—not that which merely goes into the brain and stays there, but that which, having gone into the brain, mingles with the faculties and then flows out for the enrichment of human society. The man who spends his life storing his brain with facts and information which is never used has wasted his time. True education teaches a man to think. Far too many to-day cannot think, and will not make the attempt; they have minds like rag-bags.

Some test must be applied, or the pharmacists of to-morrow will be a danger to society. The examination as we now know it, especially after a compulsory curriculum, is as nearly perfect as can be in the hands of the right examiners. As to the *personnel* of the examiners, these should be men and women who know the practical side of a pharmacist's life. The examinees are not all being trained to be teachers in schools of pharmacy; hardly one per cent. will take up such a vocation. Mainly they are being examined with a view to being responsible people in retail pharmacy. The need is for men well versed in every phase of retail pharmacy, especially from its legal aspect in these days of regulations, to have the primary places as examiners. Then, with such a test of fitness administered with impartial fairness, our young pharmacist will continue his educational career. The results of education are abiding. Education is an investment yielding a high rate of interest. Though we have reached a higher standard than ever before, there are heights yet undreamed of which can be reached and which we as a profession should make persistent efforts to attain.—AMGNE (6/11).

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C.4."

Report on the December Analytical Exercise

THE powder distributed to students on December 4 consisted of equal parts by weight of zinc sulphate, calcium sulphate, and magnesium sulphate. The calculated composition of such a mixture is:—

Zn	...	...	...	...	7.6
Ca	...	...	...	...	7.7
Mg	...	...	...	...	3.3
SO ₄	...	...	...	...	42.7
H ₂ O	...	...	...	...	38.7
					100.0

The only impurity of consequence was a distinct trace of phosphate, but exceedingly faint indications of a chloride and a carbonate were also obtainable.

Samples of the powder were distributed to thirty-eight students, and twenty reports were sent in for examination. Failures in the detection of the metallic radicals were:—Zinc, 4; calcium, 7; magnesium, 1. The sulphuric acid radical was missed by one student, and four failed to report the abundant evolution of water when the powder was heated in a dry test tube. The phosphoric acid radical, which was present as impurity, was detected in four cases only.

Some rather remarkable results have been reached in this analysis, which are not quite easy to explain. The failures to obtain precipitates of zinc sulphide in the zinc group and of calcium carbonate in the barium group would seem to indicate a too casual observation of the conditions for ensuring precipitation at the proper stages, combined with the probable application of the group reagents to highly dilute solutions. In applying hydrogen sulphide to an ammoniacal solution as a test for metals of the zinc group, care should be taken to pass the gas for some time, so as to supply sufficient for the complete precipitation of any or of all the members of the group which may be present. The addition of ammonium hydro-sulphide in slight excess is as effective, and requires much less time. In solutions which contain ammonium salts in large proportion, ammonium carbonate may not immediately produce any barium group precipitate, but this usually appears on gently warming if anything more than traces of metals of the group are present. One or two students reported the remarkable experience that no precipitate was obtained in the groups until ammonium phosphate was added in testing for magnesium. Since the sulphuric acid radical and water of crystallisation, together, made up over 80 per cent. of the powder, the metallic radicals were present in relatively small proportion. The magnesium, which amounted to less than half as much as either the zinc or the calcium, was only missed by a single student.

In most of the cases in which the distinct trace of the phosphoric acid radical was overlooked, the test for it had been made by means of ammonium molybdate, but in a few cases this test was not applied. The characteristic yellow precipitate, which was not abundant, was obtained when the reagent was added to a solution of the powder in dilute nitric acid, and the mixture was boiled or was allowed to stand for a considerable time. It is best to add the molybdate to a solution which contains nitric acid and is free from hydrochloric acid or chlorides, but a blank test should also be made with a known solution of a phosphate, to make sure that the reagent is in working order.

Several students reported reactions which led them to conclude that a citrate was present. These included gradual darkening on heating the powder with concentrated sulphuric acid—a result which we were unable to confirm. Supposed confirmatory evidence, from the reaction with calcium chloride, was due to the precipitation of calcium sulphate. This substance is often precipitated on adding calcium chloride to solutions containing sulphuric acid radical in considerable quantity, and the pre-

cipitation is accelerated on heating. Consisting as it did mainly of easily soluble salts the powder was incorrectly described by several students as insoluble in water.

PRIZES

The First Prize for the best analysis has been awarded to:—

JAMES G. HAWORTH, 96 Reed Street, Burnley, Lancs.

The Second Prize has been awarded to:—

REGINALD V. MOORE, 71 Artisan View, Heeley, Sheffield.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

J. G. Howarth (1st prize)	...	96	Phyllosan	...	84
R. V. Moore (2nd prize)	...	94	Sodii salicyl.	...	78
B. V. J.	...	90	Mezereon	...	69
Percy	...	90	Resurgam	...	68
Ad lucem	...	90	Laxey	...	66
Cantab	...	89	Tech	...	66
Semper Sersum	...	89	Glycyrrhiza	...	64
Traps	...	87	Dot	...	59
Rami	...	85	Metropolis	...	48
			Rudeburt	...	43
			D.O.R.A.	...	27

(To be continued.)

Prescription Problem

The Editor will be glad of the loan of original prescriptions suitable for this column, together with the solution of each difficulty.

THE following reproduction of an original prescription is offered for deciphering. Exact transcriptions are invited

on postcards only, which should reach "The Editor, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4," not later than the first post on January 21. Prizes are awarded at the discretion of the Editor.

THE headquarters of the Asthma Research Council, which is making an appeal for funds, is at 42 Ranelagh Road, London, S.W.1, and the secretary to the Medical Advisory Committee is Surgeon Rear-Admiral T. T. Jeans.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

London Panel Committee and Medicinal Preparations

At a meeting held on December 18 the London Panel Committee considered a report from a section appointed to consider the policy to be adopted in the future with regard to the question of pharmaceutical preparations ordered for insured persons at the expense of the chemists' fund. The chairman of this section now reported that the section considered that in future the Committee would be well advised to adopt the standpoint that the ordering of pharmaceutical preparations as proper drugs and medicines for insured persons is the responsibility of each individual practitioner, who is under the obligation of justifying such ordering if required to do so by the Ministry of Health. This meant a reversal of the policy of the Committee in the past. A brief discussion followed, in the course of which the chairman (Dr. H. J. Cardale) endorsed the report (see p. 43). Dr. Partridge thought that the policy ought to be to maintain the list of prohibited preparations which the Committee had compiled, and to take such steps as would secure that the list applied nationally instead of locally. There was likely to be a prohibited list in any case, and he would like the doctors to have a hand in its preparation, instead of having it imposed upon the profession from without. Dr. G. H. Jones asked whether it was possible to have a barred list of drugs from which a practitioner might prescribe, knowing that he could be called to account for so doing. Dr. E. A. Gregg said that his opinion was that, no matter what the Committee did, this whole matter would be taken out of its hands, but he felt that the correct course for the Committee was to allow the individual practitioner to have the discretion in all these matters. The recommendation of the section was carried by a large majority.

Herts.—At a meeting of the Insurance Committee, on December 31, it was reported that investigation had been made into a complaint by a panel chemist, who alleged that a lady panel doctor had influenced insured persons in the choice of chemist. The complaint was submitted through the Pharmaceutical Committee, who gave the following figures with reference to insurance prescriptions issued by the doctor and dispensed by the four insurance chemists in the district, during the months May to August, 1927: A, 4; B, 4; C, 5; D, 663. The report to the Insurance Committee was presented by the Joint Services Subcommittee, which stated that, in 1927, on representations made by the Pharmaceutical Committee, the clerk wrote to the doctor, calling her attention to the complaint. In reply, she admitted that, on many occasions, she may have said automatically, on handing a prescription to an insured person, "Take this to Mr. D," but she recognised that the insured person had a free choice of chemist. Her attention having been drawn to the matter, she had tried, since, to be most careful on that point. The Subcommittee had had before them a statement prepared by the Committee's accountant, from which it appeared that the number of prescriptions issued by the doctor and dispensed by the four insurance chemists from January, 1926, to July, 1928, had been: A, 70; B, 19; C, 39; D, 5,498. The evidence of complainant and witnesses on his behalf, and also the evidence of the doctor and a witness, were submitted by the Subcommittee. Mr. "C," in his evidence, stated that there had been much discussion and complaint among the chemists in the district. The shops of the four insurance chemists were within 100 yards of each other. The doctor's evidence was that the number of patients on her panel list who took their prescriptions to Mr. "D" was not due to any influence on her part. Ever since she had practised in the district, Mr. "D" had been her dispenser for her private and club work, whereas the other doctors had done their own dispensing. Unlike

any other doctor in the town, her practice had been definitely associated in the public minds with a particular chemist, and she had no doubt this was the reason why the bulk of her insured patients went to him. The fact that they had free choice of chemist was plainly printed on each prescription, and her practice was to tell them, when asked, that they could go to any chemist. The Subcommittee stated that they were advised that, even if the doctor had told panel patients to take prescriptions to any particular chemist in preference to others, she had not committed any breach of her terms of service with the Committee, and, consequently, they did not recommend that any action should be taken, but they desired to emphasise strongly the great importance which they attached to an insured person having a free choice of chemist as well as a free choice of doctor, and they considered that any course of action which was likely to disturb the good feeling existing in a district between doctors and chemists was greatly to be deprecated. Mr. P. H. Warren (St. Albans), a recently-appointed member of the Committee, stated that the Pharmaceutical Committee was desirous of referring the matter to the Ministry of Health for an expression of opinion as to whether a doctor was acting within the terms of contract when directing a patient to go to one chemist in preference to another. The clerk said the Subcommittee went very carefully into the matter, and came to the conclusion that the doctor had not committed a breach of the terms of service. The Ministry agreed with that decision, but the matter would go before the Ministry in the ordinary course of procedure. The recommendation of the Subcommittee was approved.

Northamptonshire.—At the November meeting of the Insurance Committee the Pharmaceutical Service Subcommittee reported having considered a complaint in which a chemist was alleged to have supplied a sample of white lint which did not conform to the requirements of the British Pharmaceutical Codex. They found that complaint not proved, and submitted a rider to the report and their findings. Their rider was to the effect that the Subcommittee considered that the scheme for testing drugs and appliances was unsatisfactory in that there was no provision whereby the chemist concerned might submit a sample to his own analyst. They suggested that representation should be made to the Ministry as to the desirability of considering whether some amendment of the scheme for testing drugs and appliances could be made, whereby a chemist might be afforded some protection.

SCOTLAND

Pharmaceutical Service for 1929

An agreement has been arrived at for the continuance of pharmaceutical service in Scotland under the National Health Insurance Acts for the year 1929. In a letter dated December 22, 1928, to Mr. J. Ruthford Hill, secretary to the Pharmaceutical Standing Committee (Scotland), the assistant secretary of the Scottish Board of Health, 121A Princes Street, Edinburgh, states that the board, having had under consideration the arrangements for the pharmaceutical service in Scotland during 1929, are disposed to suggest that the general conditions at present in force should remain undisturbed for another year. The Pharmaceutical Standing Committee (Scotland), in the circumstances have agreed to recommend to panel chemists the acceptance of the suggestion.

Moray and Nairn.—At a meeting of the Insurance Committee on January 2 the clerk said that it had been decided that samples of drugs in Morayshire should be sent for analysis. An agreement had been entered into with Dr. J. F. Tocher, public analyst, Aberdeen, and the Testing House of the Manchester Chamber of Commerce. The latter would test the appliances. It was also reported that the amounts to be paid to chemists for the past three months were:—August, £91 8s. 3d.; September, £90 18s. 2d.; October, £106 0s. 4d.

THE "Nottingham Journal" states that Boots Pure Drug Co., Ltd., are erecting a soap factory at Beeston.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, January 10

With the turn of the year business has now been fully resumed, and there are a fair number of inquiries on the market. In some instances stocks have been shown to be very small, and consequently a number of articles have already a firmer tendency. The predominant feature is the speculative activity in menthol, several hundred cases having been sold in various positions: spot prices are also higher on a better consumptive demand. Matto Grosso ipecacuanha remains very firm. Florentine orris is still a rising market; male fern oil is slightly firmer. Norwegian cod-liver oil is cheaper, makers meeting the market. Morocco cumin seed is easier and Morocco fenugreek is firmer. The essential oil market is very dull, and business has not yet recovered. Orange and bergamot are easier, while cinnamon bark is higher and lime oil is firmer to come forward. In the pharmaceutical group of chemicals quite a steady flow of business is reported, but most orders are of small size. About the only change to note is an easier feeling in foreign citric and tartaric acids. Resorcin is a trifle firmer. Among the industrial chemicals, business is of very fair volume, with few price changes. Foreign cream of tartar is a trifle easier on dull trading. Salic acid has been reduced to the home trade; sodium prussiate is active. Pitch is lower among the coal-tar products.

Higher	Firmer	Easier	Lower
Cinnamon bark oil	Balsam tolu	Bergamot oil	Antimony
Male fern oil	Fenugreek seed	Castor oil	Cod liver oil
Menthol	(Morocco)	Citric acid	(Norw.)
Orris (Flor.)	Lime oil (c.i.f.)	Cotton oils	Pitch
Rubber	Naphthas	Cream of tartar	Platinum
Turpentine	Resin	Cumin seed	Salic acid
	Resorcin	(Morocco)	Shellac
		Geranium oil	
		(Alg.)	
		Palm oils	
		Senna pods	
		(Alex.)	
		Tartaric acid	

A drug auction will be held next Thursday, January 17.

Crude Drugs, etc.

ALOES.—Curaçao is still very firm at from 82s. 6d. to 85s. per cwt. c.i.f. for t.q. quality. It would appear that this description of aloes is going to be on a permanently higher level, as unusual labour conditions prevail in the Dutch island of Aruba, which produces the bulk of the supply. It is reported on good authority that the petroleum industry in Aruba has absorbed most of the available labour, and whereas formerly labour was paid 75 cents a day for collecting and preparing aloes, \$2.50 a day is paid by the oil refiners.

The exports from the Union of South Africa during September, 1928, amounted to 45,504 lb. (£399), against 62,747 lb. (£455) in September, 1927. During the nine months ended September 30 the exports were 704,102 lb. (£5,885), against 605,442 lb. (£4,435) in the corresponding period of 1927.

ANTIMONY.—The tendency of Chinese regulus has again been easier, with offers of spot metal in warehouse at £38 10s., and even less, and terms for shipment are down to £35 5s. c.i.f. English regulus now ranges from £54 to £55, according to brand. Chinese crude on the spot is about £54, and orders for forward contracts might be arranged at below £30 c.i.f.

BALSAM TOLU is slightly firmer and is quoted at 4s. 2d. to 4s. 3d. per lb. on the spot as to quantity. For shipment 4s. 2d. per lb. c.i.f. has been mentioned.

BUCHU.—The exports from the Union of South Africa during September, 1928, amounted to 3,141 lb. (£119), against 2,144 lb. (£110) in September, 1927. During the nine months ended September 30 the exports were 157,383 lb. (£6,416), against 116,024 lb. (£5,040) in the corresponding period of 1927.

CADMIUM.—A fair business is reported and the undertone is firm, with sellers on the spot asking 4s. 6d. to 4s. 8d. per lb., while forward arrivals and shipment are about 4s. 2d.

CASCARA SAGRADA.—Present crop for prompt shipment is offered at 54s. per cwt. c.i.f.; 1924 crop on the spot is nominally 65s.

CINCHONA.—An auction of 1,181 packages Java pharmaceutical bark, weighing 45,005 kilos., was held at Amsterdam on January 9.

CLOVES.—Zanzibar are dearer, spot closing at 1s. 3½d. per lb.; to arrive, the sales include December-February shipment at 1s. 3½d. per lb. c.i.f. The landings of Zanzibar in London during the week ending January 5 were 167 and the deliveries 287, leaving a stock of 2,529, against 11,664 in 1928 and 7,192 in 1927. The landings of Madagascar during the week ending January 5 were 48 and the deliveries 15, leaving a stock of 2,800 bales.

COCOA BUTTER.—On the spot CFR is quoted at 1s. 5½d. and prime English at 1s. 3½d. to 1s. 4½d., in not less than one-ton lots.

At the auction held in Amsterdam Van Houten's AA sold at 84.00 c., against 84.00 c. last month. "A" sold at 81.39 c., against 79.28 c. last month.

COD-LIVER OIL is easier in view of the fact that some of the Norwegian makers are now inclined to meet the market, and business has been done at various prices down to 137s. to 140s. per barrel c.i.f. for finest Lofoten oil. The position at the moment is extremely difficult, and whereas the present price is considerably lower than that ruling throughout last year, the new season is quite an unknown quantity as no new Lofoten oil will be available until the end of March. Whilst stocks in Norway are difficult to ascertain, it must be taken into consideration that during the next two or three months buyers will have to satisfy their requirements from 1928 oil. The position is therefore interesting and requires careful consideration.

BERGEN, January 7.—The market is quiet, as is usual at this period, and a further reduction in price has lately taken place, non-freezing, steam-refined quality being officially quoted at 140s. per barrel c.i.f. London. At some fishing places in the northern districts resident fishermen have caught cod which seem to be of rather good quality. These cod, however, are not the real "skrei." Generally the "skrei" does not come to the coast before the end of January. The exportation of cod-liver oil from Norway from January 1 to October 31, 1928, was 62,170 hectol (=53,595 barrels), against 80,069 hectol (=69,017 barrels) for the corresponding period of 1927.

DIGITALIS LEAVES of good quality is scarce at from 160s. to 165s. per cwt. c.i.f.

GINGER.—The Empire Marketing Board has received a cabied report stating that a good crop of ginger in Sierra Leone is indicated in the coming season. If prices offered to growers are favourable, exports in 1929 should be double those of the last season. The main crop is expected to be slightly late.

HYDRASTIS is quiet at 14s. 6d. per lb. on the spot, and on c.i.f. terms 14s. is quoted.

IPECACUANHA.—Matto Grosso remains very firm at from 11s. 3d. to 11s. 6d. per lb. There were no landings in London during December, while the deliveries for that month were 74 packages Matto Grosso, leaving a stock of 166 of that description, against 237 a year ago: there were also ten Minas and ten Cartagena in stock. The landings and deliveries of Matto Grosso for the last five years have been as follows:—

	1924	1925	1926	1927	1928
Landings (pkgs.) ...	692	456	439	354	380
Deliveries " ...	587	601	494	250	451

JUNIPER BERRIES are quoted at 27s. 6d. per cwt. on the spot for fair Italian.

MAGNESIUM.—A moderate trade is reported and a regular business is being done by home makers at from 3s. 3d. up to 3s. 9d. per lb. for sticks, small ingots and bars, while wire ranges from 7s. 6d. to 12s. 6d., and powder varies from 4s. 6d. up to 7s. 6d. per lb., according to specification.

MALE FERN OIL is firmer at 3s. 2d. per lb. for 24 to 25 per cent. filicin.

MENTHOL.—Considerable activity has prevailed in this market, and several hundred cases mostly for forward shipment have changed hands at rising prices. Attempts were made to depress the market in one quarter early in the week, but as the "bear" sellers found their offers readily taken up, they quickly withdrew. On the spot Kobayashi-Suzuki has been in good consumptive demand and sold at from 20s. to 21s. per lb., and was then suddenly advanced to 22s. 6d. Sales include afloat from second hands at 19s. 6d. c.i.f., finishing up at 21s. 3d. c.i.f.; October-December has been sold up to 21s. c.i.f. and January-March shipment at 20s. 6d. c.i.f.

MERCURY.—The home trade demand has been quiet, but offers on the spot are not being pressed on the market, which, in fact, retains a fairly steady tone from £22 2s. 6d. to £22 7s. 6d., less the customary discount. In regard to the export market, there has been rather more interest, especially for China, and it is reported that a considerable

business was arranged for shipment to Hongkong. There has also been a little demand from India. The American market has been quieter, and the New York quotation is \$121 to \$121½ per bottle, duty paid. American stocks in bonded warehouse at the end of October indicated a considerable increase to 5,454 bottles, comparing with 4,026 bottles a month previous.

ORRIS is still a rising market, and practically 100s. per cwt. c.i.f. is quoted for fair Florentine sorts: spot value is from 100s. to 110s.

PEPPER has fluctuated within narrow limits, fair black Singapore closing on the spot at 1s. 5d., and January-March shipment at 1s. 4d. c.i.f. Lampong is 1s. 5d. spot, and October-December shipment has been sold at 1s. 4½d. to 1s. 3¾d., and January-March at 1s. 3¾d. to 1s. 3¾d. c.i.f. Tellicherry is 1s. 7½d. spot and January-March shipment 138s. c.i.f. Alleppy is 1s. 6½d. spot and January-March 137s. c.i.f. White Muntok closes at 2s. per lb. on the spot; sales to arrive include October-December shipment at 1s. 11d. to 1s. 10¾d., and January-March 1s. 11½d. to 1s. 10¾d. to 1s. 11½d. c.i.f.

PIMENTO is steady at 1s. 1d. per lb. on the spot, and for January-February shipment sellers quote 117s. 6d. per cwt. c.i.f.

The total exports from Jamaica for the year 1927 amounted to 9,864,441 lb., which represents a 15 per cent. advance over last year's returns.

PLATINUM.—Leading home refiners again dropped their price to £14 15s. per oz., but outside parcels are obtainable down to £14. At the current level buyers are showing more interest and business has improved, so that the market inspires a little more confidence.

RUBBER is considerably firmer, and fully ½d. per lb. better on the week. After the very small fluctuations of the past few months, this is an appreciable rise in price. The better tone is mainly due to heavy covering of the January position, which, apparently, has been heavily oversold. Furthermore, there has been a further activity on the part of consumers, and a fair quantity of spot rubber has been sold. It is difficult to say whether the advance will be continued in view of the heavy arrivals due to take place during the next few weeks. The arrivals last week were very large, being 3,127 tons, whilst deliveries were only 901 tons, showing a further increase in the stocks of 2,226 tons. The London stock now stands at 21,953 tons, against 64,360 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and January, 9½d.; February/March, 9¼d.; April/June, 9¾d.; July/September, 9¾d. per lb.

SEEDS.—There has been practically no change in the position of the market, which remains exceedingly quiet. ANISE.—Spanish 62s. 6d., and Russian 27s. CANARY remains firm but very little interest shown; Mazagan is 19s. 6d. spot, and forward is quoted at 19s. 9d. c.i.f. CARAWAY.—Dutch is quoted at about 38s. per cwt. c.i.f. for prompt shipment. CUMIN.—Maltese is 54s. spot and 45s. c.i.f. is quoted forward; Morocco is easier at 45s. 6d. spot and 44s. 6d. c.i.f. for forward shipment. CORIANDER.—Morocco is 17s. 6d. spot and business has been done at 15s. 6d. to 15s. 9d. c.i.f. for forward shipment, and sellers are now quoting 16s. c.i.f. FENUGREEK.—Morocco is firmer at 18s. 6d. spot, and 17s. c.i.f. is quoted for forward shipment. HEMP.—Manchurian is 20s. and Chilian 21s. 3d. on the spot. LINSEED.—Mazagan is 19s. 6d. spot and 18s. 9d. c.i.f. for forward shipment. MUSTARD.—English is 30s. to 32s. 6d. spot. FENNEL.—Indian is 69s. spot and 61s. c.i.f. is quoted forward.

SENEGA remains very firm at from 5s. 3d. to 5s. 4d. per lb. on the spot, and to arrive 5s. 3d. c.i.f. is quoted.

SHELLAC is steady, usual standard TN orange quality closing at 200s. per cwt.; fine orange is 220s. to 320s., pure button 240s., and AC cakey 220s. To arrive, the sales include TN for December-January at 185s. c.i.f., and January-February shipment at 180s. c.i.f., with 185s. c.i.f. asked. Sales for delivery include March at 187s. to 190s. to 187s., and May at 190s. to 185s. to 183s.

Essential Oils

DEMAND is still below available spot supplies, but prices are nevertheless well maintained. Lack of interest has caused a shading in values of bergamot and orange, though lemon is firm. Cinnamon bark oil is about 25s. per lb. dearer for pure Ceylon, and lime oil, for shipment, has been bought at a firmer figure.

ANISE (STAR).—The easier tone noted last week is still apparent, but actual values are unchanged. Business has been done in drums for shipment at 2s. 1d. per lb. c.i.f. On the spot 2s. 6½d. per lb. is quoted for leads or cases.

BAI is maintained at 7s. 9d. per lb. on spot for 50-55 per cent. phenols.

BERGAMOT is a turn easier. The forward quotation of 21s. per lb. c.i.f. is neglected, and on the spot prices have been

shaded to 21s. 6d. to 21s. 9d. per lb. as to quantity for the 37-38 per cent. l.a.

CAJUPUT is firm at 3s. 1d. to 3s. 2d. per lb. on the spot.

CASSIA is weak but maintained at 4s. 9d. c.i.f. and 5s. 3d. per lb. on the spot for 80-85 per cent. c.a.

CEDARLEAF is in short supply at 6s. per lb. on the spot and 5s. 4d. c.i.f. The demand at the source is said to be on the increase.

CEDARWOOD.—Surplus stocks do not exist at the primary market, and production is being reduced at many operative plants. There is therefore reason to believe that prices will advance in the near future. Present spot values are 1s. 2½d. per lb. in drums and 1s. 4d. in tins.

CINNAMON BARK is dearer and pure Ceylon is now quoted at 160s. per lb.

CINNAMON LEAF is still scarce on spot, and small parcels have been done at 7s. per lb.

CITRONELLA is unchanged. Ceylon is available at 1s. 7½d. per lb. c.i.f. for shipment and is worth 1s. 8½d. on the spot. The curious relationship of values, 2s. per lb. c.i.f. and 1s. 11d. on the spot, for Java oil has not yet been adjusted.

ETCALYPTUS.—A deputation of distillers has approached the State Minister of Forests in Victoria and urged a reduction in the Government royalty charges. The question is to be considered, but it was pointed out that Australia supplies 86 per cent. of the world's consumption and that there were still possibilities of enlarging the field. Values on spot are unchanged at 1s. 10d. per lb. for 70-75 per cent. and 2s. for 80-85 per cent.

GERANIUM.—Algerian is a shade easier at 16s. 6d. per lb. on the spot. Bourbon is held for 18s. 6d. per lb. on the spot and is quoted 18s. c.i.f. for shipment.

JUNIPER BERRY is firm on the spot at 5s. 9d. per lb. for B.P. (exot.) quality.

LAVENDER is unchanged. Good quality French oil of 38-40 per cent. l.a. content, is worth 15s. to 15s. 6d. per lb.

LEMON.—Consuming markets quickly absorbed the comparatively small quantities of hand-pressed Sicilian oil offering at low prices, and thus contributed towards the re-establishment of the former price basis. The pressing season is gradually but slowly getting under way, and the limited quantities so far available are keeping values up. More interest is now shown and a few orders have been passing at 13s. 9d. per lb. c.i.f. The spot value is virtually 14s. per lb., though second hand parcels may still be available at less.

LIME.—West Indian distilled is still quoted at 29s. per lb. on the spot, though business has been done for shipment at 30s. per lb. c.i.f.

MANDARIN is quoted at 29s. 6d. per lb. c.i.f.

NUTMEG is quoted at 6s. 9d. to 7s. per lb., as to quantity.

ORANGE is dull and a shade easier at 18s. 6d. per lb. on the spot for genuine Sicilian.

PEPPERMINT.—Japanese dementholised is firm at 7s. 6d. per lb. on the spot for Kobayashi-Suzuki and 7s. 4½d. for five brands. January-March shipment is quoted at 6s. 10½d. per lb. c.i.f. American natural tin oil is neglected and barely maintained. Prices of 14s. per lb. on the spot and 13s. 9d. c.i.f. to arrive are general.

SPEARMINT is maintained at 19s. per lb. on the spot, and shipment is quoted 18s. c.i.f.

WORMSEED (CHENOPODIUM) is unchanged at 9s. 6d. per lb. on the spot and 8s. c.i.f. for shipment.

WORMWOOD on the spot is now quoted at 100s. per lb.

The following arrivals have taken place from the countries indicated during the period December 21 to January 1 (inclusive): Almond (Fr.), 20 dm. 15 cs.; anise (Ch.) 15 cs., (Jp.) 3 dm.; bergamot (Strs.), 4 cs.; camphor (Jp.), 39 dm.; cedarwood (Fr.), 1 dm.; citronella (Cey.), 2 dm.; clove (Fr.) 3 dm., (Br. Ind.) 4 dm.; eucalyptus (Aust.), 165 cs. 9 dm.; geranium (Fr.), 4 dm.; iris (Fr.), 3 cs.; lavender (Fr.), 1 cs.; lemon (It.) 181 cs., (Ger.) 5 cs.; lemongrass (Cey.) 2 dm., (Guat.) 1 dm.; lime (B.W.I.), 4 cs.; linaloe (Ger.), 3 dm.; mandarin (It.), 5 cs.; orange (It.) 55 cs., (B.W.I.) 6 cs.; palmarosa (Jv.), 1 dm.; peppermint (Jp.) 30 cs., (U.S.) 20 cs., (Fr.) 2 cs.; pine (Switz.) 2 cs., (Ger.) 2 cs.; rosemary (It.), 2 dm.; rosewood (Fr.), 1 dm.; sandalwood (Br. Ind.), 50 cs.; thyme (Pol.), 1 dm.; wormseed (U.S.), 21 cs.; undescribed (Fr.) 23 cs., (Switz.) 2 cs., (Alg.) 7 dm.

Pharmaceutical Chemicals, etc.

THERE has been quite a good flow of business this week, but most orders have been rather small. Prices throughout are steady, and there is little change to comment upon this week. Citric and tartaric acids are a shade easier on spot.

ACETANILIDE is unchanged on a steady but slow market, with B.P. crystals and powder at 1s. 4½d. to 1s. 6d. per lb., as to quantity.

AMIDOPYRIN is quiet, with dealers quoting spot at about 7s. 6d. to 7s. 9d. per lb.

ASPIRIN is very steady and business has been quite good: prices vary as to quantity from 2s. 3d. to 2s. 6d. per lb.

BARBITONE is steady, but business is limited: spot is quoted from 5s. 6d. to 5s. 9d. per lb.

BENZOIC ACID (B.P.) is meeting with better business; quantities, ex works, 2s.; smaller lots, 2s. 1d. to 2s. 2d. per lb., ex store.

BENZONAPHTHOL is very steady as offered on spot at 2s. 11d. per lb.; business limited.

BROMIDES are unchanged and business has been moderately good on a limited scale. Dealers quote: ammonium, 1s. 11d.; potassium, B.P. crystals, 1s. 7½d.; granular, 1s. 7½d.; sodium, B.P., 1s. 10d. per lb. for quantities, in cases. British makers' list prices are steady: ammonium, 2s. to 2s. 3d.; potassium, B.P., 1s. 8½d. to 1s. 11½d.; sodium, B.P., 1s. 11d. to 2s. 2d. per lb., as to quantity.

CALCIUM LACTATE has been moving in small quantities on a steady market: quoted from 1s. 2½d. to 1s. 3½d. per lb., as to quantity.

CHLORAL HYDRATE continues to be quoted on spot at 3s. 1½d. to 3s. 3d. per lb., as to quantity; business fair.

CITRIC ACID (B.P. crystals).—The spot market for foreign seems slightly easier at about 2s. 1½d. to 2s. 2d. per lb., less 5 per cent. There appears to be a fair quantity offering. Forward business is still largely held up on account of lack of firms' offers from Italy.

CREOSOTE (B.P.) is steady but quiet: spot, 1s. 8d. to 1s. 9d. per lb.

CREOSOTE CARBONATE is unchanged on spot at 5s. 10d. to 6s. per lb.; occasional small business only.

GUAIACOL CARBONATE is quoted on spot at about 4s. 6d. to 4s. 8d. per lb.; market dull.

HEXAMINE has been in good demand, but business is very keenly competed for: free-running crystals, in quantities, from 1s. 11d. to 2s. 1d. per lb.

HYDROQUINONE is steady at the controlled prices of 3s. 7½d. to 4s. 6d. per lb.; business has been limited.

LACTIC ACID (B.P.) is steady under the control: quoted from 1s. 6½d. to 1s. 10½d. per lb., as to quantity; business fair.

METHYL SALICYLATE (B.P.) is steady at 1s. 4d. to 1s. 6d. per lb.; business is rather better.

METHYL SULPHONAL remains dull: dealers offer on spot at about 3s. 9d. per lb.

PARAFORMALDEHYDE has been receiving more attention: quoted at 1s. 7d., for quantities, in kegs; smaller lots from 1s. 8d. per lb.

PARALDEHYDE is steady but slow of sale: quoted from 1s. 1d. to 1s. 3d. per lb., as to quantity and packing.

PHENACETIN has been in steady demand for limited quantities: quoted from 2s. 3d. to 2s. 5d. per lb., as to quantity.

PHENAZONE is a good market, with business moving well: quoted from 3s. 7d. to 3s. 8d. per lb., as to quantity.

PHENOLPHTHALEIN is unchanged at the controlled prices of 5s. 11d. to 6s. 1½d. per lb., as to quantity.

POTASSIUM PERMANGANATE (B.P.) remains quiet: quoted from 5½d. to 6½d. per lb., as to quantity.

RESORCIN is a shade firmer, with most sellers lowest at 2s. 9d. to 2s. 10d. per lb.; the cheaper prices are for large quantities only.

SALICYLIC ACID (B.P.) is very steady as quoted from 1s. 3d. to 1s. 6d. per lb., as to quantity.

SCAMMONY RESIN.—B.P. is quoted from 3s. 4d. to 3s. 6d. per lb., and powdered B.P. at from 3s. 7d. to 3s. 9d. per lb.

SODIUM BENZOATE (B.P.) has been moving fairly well on a steady market: quoted at 1s. 7½d. per lb., for quantities in two-cwt. barrels; small parcels, from 1s. 8d. per lb.

SODIUM SALICYLATE (B.P.) is very steady, and some sellers are off the market: crystals, from 1s. 7d. to 1s. 8d.; powder, from 1s. 6½d. to 1s. 6¾d. per lb., as to quantity.

SULPHONAL is slow of sale: spot is offered at about 6s. 6d. per lb.

TANNIC ACID.—B.P. *leviss* is steady and in fair request: quantities, 2s. 10d.; smaller parcels, about 3s. per lb.

TARTARIC ACID.—Foreign B.P. crystals are rather easier at from 1s. 4d. to 1s. 4½d. per lb., less 5 per cent., as to quantity.

TERPIN HYDRATE is offered down to 1s. 5d. per lb., for quantities to come forward; market is lifeless.

THYMOL is steady, but there is still only a very limited business: synthetic, fine white, 9s. 6d. per lb., in cwt. lots; ex ajowan seed, 11s. 3d. per lb.

VANILLIN has received a little more attention of late: 100 per cent. from cloves, about 17s. to 17s. 6d. per lb.; ex guaiacol, 14s. 9d. to 15s. 3d. per lb.

Industrial Chemicals, etc.

London, January 9.

A VERY fair volume of business is being done and the market continues steady. There are no changes in prices of importance to record.

ACETIC ACID.—Business continues fairly good: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in

barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE.—The new scale of prices continues firm, with spot supplies short and only limited quantities coming forward in the near future: B.G.S., ten-ton lots, £76 10s.; five-ton lots, £78 10s.; one to five-ton lots, £81; less than one ton, £85 per ton, in drums, ex store.

ALUM is steady and business is fair: lump, £8 5s., in casks, ex store; slightly less forward in quantities.

AMMONIUM CHLORIDE is very steady and business continues good; grey galvanising, £21 7s. 6d. per ton, in casks, ex store; slightly less for contracts.

ANHYDROUS AMMONIA is unchanged at from 10d. to 1s. per lb., in loaned cylinders, carriage paid; slightly less for contracts.

ARSENIC is very quiet, and white Cornish 99 per cent. is £16 to £16 5s. f.o.r. mines. Mexican high-grade is quoted £17 to £17 5s.

BARIUM CHLORIDE is very scarce on spot, and the forward position is limited for supplies up to March: 98 to 100 per cent. prime white crystals, £11 10s. per ton, in casks, ex store; forward, £9 10s. f.o.b. Continent.

BLEACHING POWDER is steady, with 35 to 37 per cent. available chlorine at £6 15s. to £7 per ton, carriage paid, as to quantity.

COBALT.—The official price for the metal is 10s. per lb., but this would be shaded for good quantities. Oxides are quoted 8s. for black and 8s. 10d. per lb. for grey.

COPPER SULPHATE.—There has been a rather more active demand and the recent firmness is fully maintained, with the larger makers asking £27 10s. to £28 per ton, f.o.b. for casks, less five per cent.

CREAM OF TARTAR is perhaps a shade easier on a dull market: foreign 99 to 100 per cent. powder is offering in quantities at about 92s. 6d. to 93s. per cwt., less 2½ per cent., and slightly more for smaller lots.

FORMALDEHYDE is very steady and there is quite a good business being done: 40 per cent. by volume, £36 to £37 per ton, in casks, ex store.

FORMIC ACID is steady and the demand fair: 85 per cent., in carboys, £46 to £46 12s. 6d. per ton, ex store.

ISOPROPYL ALCOHOL continues to be quoted from 11s. to 12s. per gallon for reliable make in good quantities; slightly more for small lots of 10 to 20 gallons.

LITHOPONE is steady, but there is not much business moving; 30 per cent. Continental red seal, £19 10s. per ton, in casks, ex store; slightly cheaper for contracts.

OXALIC ACID has been in better call: quantities, £30 per ton; cwt. lots, 32s. ex store.

POTASH CAUSTIC is unchanged at Convention prices; business still slow: 88 to 92 per cent. solid, spot, less than one ton, £36 15s.; one to five tons, £33 5s.; five to fifteen tons, £32 15s., in drums, ex store; 30s. per ton less c.i.f. in all cases.

POTASSIUM CARBONATE is steady, but business seems rather slow: 90 to 92 per cent., £25; 96 to 98 per cent., £26 per ton, in casks, ex store; slightly less for contracts.

POTASSIUM CHLORATE is unchanged on a quiet market: quantities to arrive, 2½d., ex wharf; spot, from 3½d. per lb., ex store.

POTASSIUM PERMANGANATE.—Commercial is slow of sale: two-cwt. drums at 5½d. to 5½d. per lb., ex store.

POTASSIUM PRUSSIAN is steady and business is improving: quantities, £63 10s. to £65 10s.; single casks, 7d.; small parcels, 7½d. per lb., ex store.

SAL AMMONIAC is bright, with dealers' prices tending to advance: dog-tooth crystals, £31; medium, £29; fine white crystals, £18 10s. per ton, in casks, ex store; slightly cheaper for contracts.

SALTCAKE has been reduced for home trade this year to £2 10s. per ton, in bulk, delivered.

SODIUM ACETATE continues firm on spot, with little offering: quoted at £21 15s. per ton, in casks, ex store; rather easier forward.

SODIUM BICHROMATE is unchanged from the recently advised agreed prices: 50 to 100-ton lots, 3½d. per lb., less rebate; small parcels, from 3d.

SODIUM HYPOSULPHITE is steady and there has been a little more business: dealers quote pea crystals, in one-cwt. kegs, £15 to £15 2s. 6d.; commercial quality, £9 10s. per ton, in casks, ex store. British makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM NITRITE is steady but quiet in London: 100 per cent. basis, £19 17s. 6d. per ton and 20s. 6d. per cwt., docks.

SODIUM PRUSSIAN has been more active on a steady market: quantities from 4½d. to 4½d.; smaller parcels, 5d. to 5½d. per lb., ex store.

SULPHUR.—The demand for American crude is moderate, with prices ranging from £5 12s. 6d. to £5 17s. 6d.; Sicilian flowers £12 7s. 6d., refined ground £11, and roll £9 15s. per ton, all c.i.f. to arrive.

COAL-TAR PRODUCTS, ETC.—Pitch, with a further reduction in price, has reached a new post-war low level in values. Other products continue unchanged, with business limited. **ANILINE OIL** is slow at from 8d. per lb., packages extra, carriage paid. **ANILINE SALT** continues to be quoted at from 8d. per lb., packages extra, carriage paid; the market is steady but dull. **BETANAPHTHOL** is quiet at 10d. per gallon, carriage paid, for quantities. **CARBOLIC ACID**, 39° to 40° C. ice crystals are quiet but steady; quoted at 6½d. per lb., carriage paid or f.o.b., for minimum five-ton lots, in drums with overcasks; crude carbolic 60's, about 2s. per gallon, naked at works. **CREOSOTE OIL** continues quiet with prices unchanged: ex works, 5½d.; f.o.b., 6½d. per gallon, in bulk quantities. **CRESYLIC ACID** remains slow and rather easy as quoted: pale 97 to 99 per cent., American specification, 2s. 4d. per gallon, f.o.b., drums extra; darker grades at cheaper prices. **NAPHTHALENE** is unsteady, with the market dull: imported flakes and balls, £15 10s. per ton, in cases, ex wharf. **METHYL ALCOHOL** continues in fair demand, with the market steady: quoted on spot at £45 per ton, in drums, ex store, and cheaper forward in quantities. **PYRIDINE** remains idle: quoted nominally at about 4s. 6d. per gallon, f.o.b. **TOLUOL** has received only unimportant business; prices unchanged: commercial 90's, 1s. 7d.; pure, 1s. 10d. per gallon, at works. **XYLOL** is unchanged, with the market slack: commercial, about 1s. 7d.; pure, about 1s. 9½d. per gallon, at works. **PITCH** remains quiet, and the quoted figure is again easier at 35s. per ton, f.o.b. East Coast. This is the lowest post-war figure.

Fixed Oils, etc.

THESE markets have remained quiet during the past week. Turpentine shows an advance of about 6d. per cwt. on balance, while linseed oil is about unchanged. Palm oils are dull and unsteady. **ACID OILS** are quiet and irregular on quotation; coconut and/or palm kernel, 35s. 9d.; groundnut, 31s. 6d.; soya, 29s. spot. **CASTOR** is slightly easier and remains quiet: pharmaceutical, 48s. 6d.; first pressings, 43s. 6d.; second pressings, 41s. per cwt., in barrels, on the spot, in not less than one-ton lots. **COCONUT** remains slow: deodorised, spot, 46s. 3d.; Ceylon, 38s. 6d. c.i.f.; Cochin, 47s. 6d. c.i.f. **COTTON** remains quiet and is a shade easier for some grades: deodorised, 40s.; common edible, 38s.;

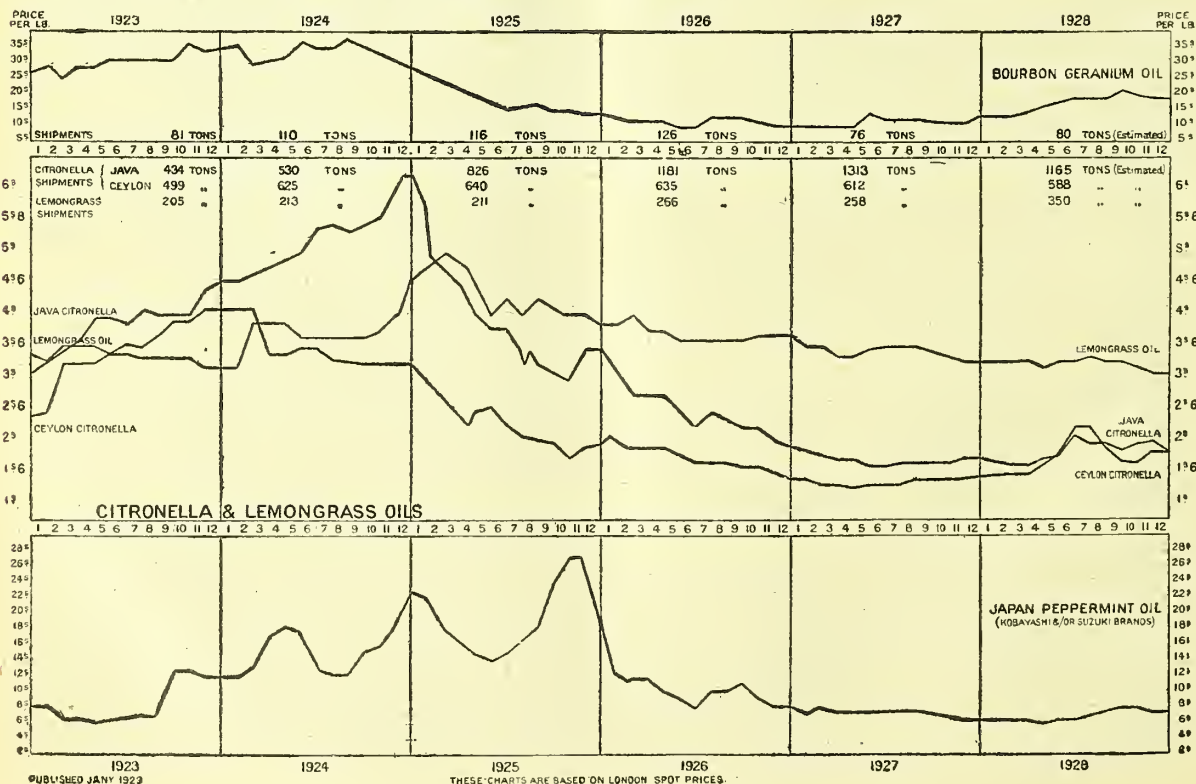
soapmaking, 34s. 6d.; crude, 32s. 6d. spot. **GROUNDNUT** is dull: deodorised, spot, 48s.; crude Oriental, 41s. c.i.f. **PALM KERNEL** continues slow: deodorised, 44s.; crude, 39s. 3d. spot. **PALM** has remained quiet all the week, and some kinds are slightly cheaper on quotation; market closes unsteady: Lagos, 39s.; softs, 37s.; mediums, 37s. 5d.; hards, 38s.; bleached, 39s. 9d. spot. **RAPE** remains quiet: refined, 46s. 6d.; crude, 44s. 6d. spot. **SOYA** has been dull: deodorised, 41s.; crude, 35s. 6d. spot. **LINSEED** (raw, naked).—The market is healthier this week and closes firm at about unchanged rates on the week; business has been slow: on spot, 29s. 3d.; January, 28s. 3d.; February-April, 28s.; May-August, 28s. 7½d.; September-December, 28s. 10½d. Boiled oil, spot, 33s. Hull, on spot, 28s. 3d.; January-April, 28s. 3d.; May-August, 28s. 3d.; September-December, 28s. 7½d. **TURPENTINE**.—In response to strong American cables, and owing to considerably reduced receipts, London prices have hardened again, and there has been more doing on this side. London receipts last week were 1,634 barrels, and the total since January 1 was 1,432 barrels, against 1,807 barrels, the corresponding figures for 1928. Stocks were returned at 34,061 barrels, against 62,294 barrels the same date last year. With the quantities afloat, the London visible supply made up at 37,386 barrels, which compares with 63,568 barrels a year previous. The London spot price closed on Wednesday evening at 49s. per cwt.; February-April 49s. 9d. **RESIN** has been firmer, in sympathy with American advices, indicating lower stocks and higher prices. C.i.f. terms were as follows for American: B/D 19s. 4½d., F 20s. 1½d., G/H 20s. 3d., K/M 20s. 10½d., N 22s., W.G. 23s. 10½d., and W.W. 26s. Terms ex wharf are 6d. per cwt. above these figures. **WOOD**.—Hankow, on spot, in barrels, is quiet at 73s. per cwt.

LUBRICATING, MINERAL, BURNING OILS, ETC.—Business has been a little better in most products and there is a distinct improvement in solvent naphthas, which are somewhat firmer. **FUEL OIL** continues steady on a fairly active market: 950 gravity, £3 10s.; 980 gravity, £4 2s. 6d. per ton, ex tank. **PARAFFIN WAX** and **SCALE** are unchanged, with the market firm: wax is quoted from 3d. to 5d. per lb., according to melting point, in bags; scale for shipment is offered at about £20 7s. 6d. per ton, drums and barrels free, ex wharf. **WHITE OILS** are unchanged, with a fair amount of business.

Essential Oil Charts

PRICE movements from 1923 to 1928 of Ceylon and Java citronella, Bourbon geranium, Cochin lemongrass and Japanese demethylated peppermint (K./S. brand) oils are graphically represented in the useful chart issued by R. C.

Treast & Co., Ltd., 11 Hart Street, Mark Lane, London, E.C., which is reproduced below. The chart, which is revised and issued annually to the trade, is printed in red, green and black inks; it is mounted on card and varnished for office use.





Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

The Future of the Drug Fund

SIR,—There is a small item of news at the end of the report of the meeting of the London Pharmaceutical Committee (*C. & D.*, December 22, p. 763) which should be of interest to all panel chemists, and that is the information that the Executive of the R.P.U. have decided to recommend the continuance of the present contract provided the right to give notice is extended to next June or December. This is an extension which should certainly be granted, as, although we are told that the accounts for the present year will be paid up to within $2\frac{1}{2}$ per cent. of the total amount, it is not good enough for a continued acceptance of the work. It is an improvement on last year; but we have no guarantee that this improvement will hold good in 1929, and so far from being satisfied we should demand nothing short of payment in full. It will also probably be news to many chemists, especially those who think they are getting profit out of N.H.I. work, that the average of $8\frac{1}{2}$ d. a script is only two-thirds that of pre-war days, and as the official cost of living figures stand about 67 points above the level rate, it is obvious that we should be getting nearly double the present fees to bring the remuneration back to its original percentage. It is a little difficult to see how some of the recommendations of the circular letter of the London Pharmaceutical Committee are to be adhered to in practice, unless the panel chemist is to adopt the spirit of Uriah Heep. We are recommended not to discuss the chemists' position in regard to the drug fund with insured persons; ethically, no doubt, this is an excellent attitude, but it is rather superhuman in the face of the person who tells one that the chemists are making a "fat thing" out of Insurance work. I do not go so far as to say that the pharmacist should "discuss" the terms with his customers, but I certainly think that a plain statement of the truth to obstinate people would go a long way towards educating the public to the real position. "No criticisms or statements regarding a doctor's prescription should be made to an insured person." Certainly no criticisms, but it is rather difficult to avoid statements in the case of an ambiguous script or one with an overdose. In such circumstances one is compelled to make some statement or other.—Faithfully yours,

EXTENSUM (31/12).

Longevity of Chemists

SIR,—In perusing the obituary list in *THE CHEMIST & DRUGGIST*, of January 5, I noticed the ages of the recently deceased chemists and druggists, taken alphabetically, read thus—90, 90, 83, 87, being an average of $87\frac{1}{2}$ years; and further, taking the total number of deaths of chemists in the list gave an average age of 73 years. Surely this must be a record in averages of ages of any class of tradesmen. One would almost deduce that the atmosphere surrounding drugs must be life-sustaining and adding to the longevity of persons thus employed.—Yours, etc.,

A. P. METCALFE.

Hessle.

Stocktaking

SIR,—With regard to the article on stocktaking by John Croydon (*C. & D.*, December 22, p. 765), there are two principal methods of doing the work. One is by lumping all goods of one price together and taking the aggregate figures, and the other is by detailing each separate line and pricing out afterwards. The first method is quite suitable where it is only the total amount which is required, especially for such purposes as the sale or purchase of a business, and it is not so tedious as the second; but for regular annual stocktaking it is really necessary to adopt the detailed method, so that one has a complete reference to any item of stock for

the future. It is a rather laborious undertaking on the first occasion, but it can be simplified to some extent by taking one of the wholesale sundries houses' general catalogues, which are divided into patents, sundries, packed goods, photographic, etc., and going through the list systematically, ticking each item in stock. These items are then copied out into a book ruled in cash columns across both pages; using the left-hand space for the name of the article, the first row of columns will do for the first year's stock, and the book will do for several years. If it were possible to have a book prepared on these lines, it would be a boon to single businesses, as it would reduce the work of stocktaking to a very simple affair.—Yours truly,

STOCKBOOK (31/12).

Our Inadequate Recompense

SIR,—“Dreamer” (*C. & D.*, Dec. 29, p. 808), supporting Mr. Hall, of Edinburgh, suggests remedies which show that he possesses adequate knowledge of the maladies with which pharmacy is afflicted; and I have endeavoured with my feeble pen, so far without success, to induce all engaged in the pharmacy business (I hesitate to use the word “profession” under existing conditions) to get together in a truly democratic spirit, and form without delay a “militant” organisation to enrol members on payment of a merely nominal subscription, and let all existing local associations turn on their searchlights to discover an “aggressive” leader who would worthily succeed the late Sir William Glyn-Jones. The parent Society need have no fear of disloyalty, nor the R.P.U. When we have succeeded in accomplishing this, many of the reforms suggested by “Dreamer” will be at least within reasonable reach of realisation. It is high time to cease airing our grievances and to be “up and doing” and create a Chemists' Federation, bearing in mind the truth of the phrase, “united we stand, divided we fall.”—Yours faithfully,

H. C. MEYRICK.

Liverpool.

Wasted Medicine

SIR,—“Xrayser III,” in the *C. & D.* of December 29, writes that “economies in prescribing should not be suggested by the chemists.” Why on earth not? What does it matter who suggests the economies, as long as those economies are effected? Your contributor is assuming, but quite wrongly, that these suggested economies are at the expense of the panel patient. All the economies that I have suggested, and that I have heard and seen suggested, have been in the interests of the panel patients, and it should be the duty of our publicists to make it known to them. Then again, it is an accepted thing for chemists to help doctors to prescribe. Do they not have a very big share in the compilation of all N.H.I. pharmacopœias? Panel Committees say that frequency in prescribing is the cause of the medical fund being insolvent. The M.O.H. says it is not—so there we are. Also, it is not our sole business to act upon the instructions of prescribers. That again is assuming that prescribers are always right; whereas we know that if we always did, there would be more employment for coroners. This more or less antagonism between doctors and chemists is a nuisance, and much to be deplored; but while certain people think they know it all, it will obtain. “Xrayser III” really should not “laugh at” the “medicine glass for the million panacea,” for following some letter of mine he approved it. “But human nature and force of habit are factors that do not appear to have been taken into consideration by these well-intentioned persons.” Human nature and force of habit, indeed! Why, they have interacted on each other since the protoplasmic stage. Why should not the patient, in his own interest, be compelled to be accurate? A glass measure is on the whole far more reasonable to use than a metal spoon. It is absurd to rely on the marked bottle. There is no compulsion on the patient to bring, or the chemist to supply, a marked bottle, inaccurate as they are. Chemists generally appear to have the courage of rabbits; they cower before every jack in office and make obeisance. They have not even sense enough to look after their own financial interests. Individually they know and agree that

dispensing medicine in plain bottles, and administering doses by drachms, would solve the "frequency" problem; they also know that the system would be accurate; they know they have the power to effect this alteration without referring either to the medical world or the Ministry of Health, neither of which groups would dare to oppose it simply because the change would engender accuracy; and yet they have neither the sense nor the courage to do it. The only credit I can give to "Xrayser III" is for his suggestion for stating "times" on the label. Having described chemists as rabbits, I had better sign myself

"STOAT CORRAL" (7/1).

Ancient Medicines

SIR.—One part of the article by Sir William Whitla on "Materia Medica and Pharmacy" (*C. & D.*, January 5, p. 19) was particularly interesting to me, namely, that in which he deals with the surgical instruments and other articles found at Pompeii, as I was in Naples before the war and spent some time in the museum there looking over these objects. I have before me as I write a catalogue of this museum which I brought home at the time; in it there are two pages devoted to surgical instruments, and it states that most of these were found in the House of the Surgeon, but there are only three lines given to pharmacy, and these are:—"Pills, sulphur, and other medicaments," "Chemist's scale," and "Earthenware gallipot containing drugs, the nature of which is unknown." So it is evident that the most significant of the remains from the point of view of pharmacy were overlooked or lost; such a thing as a graduated pill tile would be a unique treasure. From what I remember now of the drugs, there was nothing to indicate their identity from an ocular inspection; I do not know whether there has ever been any attempt to analyse them, but I should think that such an analysis would afford interesting information. Referring to the use of earthworms and such things in medicine, my experience does not date far enough back to have dispensed these items, but when I was abroad boys have come into the pharmacy on more than one occasion and produced a dead lizard, snake or some other reptile which they wished to sell, under the impression that we used them in compounding medicine, showing that the old ideas still persist.—Yours, etc.,

NAPOLI (8/1).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Warning

When calling at one of the West-End Stores during the week before Christmas, I put my bag down on the floor, and was speaking to the buyer of the drug department. Shortly afterwards I looked for my bag and found it had gone, evidently stolen by thieves that prowled around during the Christmas rush.—A. H. M. (1/1).

Erratic Insurance Practitioners

Any doctor acting in an unprofessional manner in his Insurance prescribing can be dealt with through the medium of the Pharmaceutical Committee for the area in which the parties concerned are practising. It surprises me to find that chemists are so slow to utilise the services of the statutory representative bodies that are best qualified to assist and protect them in all matters connected with Insurance dispensing. It should also be recollected that the clerk to the Insurance Committee can usually be consulted with confidence if a chemist feels he is being unfairly prejudiced by anything a doctor says or does. I am, of course, aware of the fact that some chemists dread bringing further trouble upon themselves if they make a fuss; but neglect to make use of existing facilities for bringing home to doctors the fact that chemists have rights as well as themselves only tends to make matters worse. Every time a chemist makes a firm stand against unjustifiably unfair treatment he helps to improve the position of his craft.—*Standfast* (4/10).

Legal Queries

C. F. T. (4/1).—Corn-plasters and corn-paints containing extract of cannabis indica are outside the Dangerous Drugs Acts, but come within Part II of the Poisons Schedule.

S. S. (21/11).—The inclusion of the words "Nurse X" in the titles of the preparations implies an ostensible claim to a proprietary right in the articles, and, consequently, would render them liable to medicine-stamp duty. Even if these words were omitted in the titles the articles would still be liable to medicine-stamp duty when sold by a person other than a chemist and druggist, since they are held out as remedies for certain specified ailments.

W. E. W. (7/81) is giving part-time employment to a qualified man over seventy years of age. Is he liable to be insured under the National Insurance scheme? [Although the man, by reason of his age, is outside the scope of the scheme, "W. E. W." must pay the employer's share of the Pensions and Unemployment Insurance contributions in respect of him unless he is remunerated at a rate exceeding £250 a year (i.e., on the basis of full-time employment).]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. W. (19/10).—PULVIS RHEI Co.—The British Pharmacopoeia in the formula for Pulvis Rhei Co. distinctly requires "light magnesia." On reference to p. 237 of the B.P. you will find that "Light Magnesia" is the English title for Magnesia Levis (Light Magnesium Oxide), consequently it would be illegal to use magnesium carbonate in the place of light magnesium oxide.

H. S. S. (18/12).—REMOVING PICRIC ACID STAINS.—The following processes have been recommended for this purpose, but before applying the treatment to a valuable article it would be as well to experiment first on a small piece of the material. Apply for a short time—one minute—a solution of an alkaline sulphide, e.g., sulphurated potash, then wash well with water and soap. If the stain is of recent date, apply a paste of magnesium carbonate and water and rub it with the finger.

C. F. A. D. (3/18).—NURSERY POMADE.—The following are formulas of the type you desire:—

I		II	
Yellow wax	... 3ix.	Stavesacre	seed,
Lard	... 3vj.	crushed	... 3v.
Olive oil	... 3vj.	Olive oil	... 3xvj.
Melt, and to the mixture		Heat the olive oil on a	
add		water bath and add the	
Veratrine	... gr. x.	crushed seed to it, digest	
Oleic acid	... 3ss.	for six hours and strain.	
Previously rubbed together		Then add	
in a mortar. Stir well and		White wax	... 3iij.
perfume with		Benzoated lard	... 3iv.
Oil of lemon	... 3j.	Stir until it begins to	
Oil of bergamot	... 3j.	thicken, then add	
Oil of verberna	... 3v.	Oil of thyme	... 3xxx.
		Oil of verberna	... 3x.

Retrospect of Fifty Years Ago

Reprinted from
The "Chemist and Druggist," January 15, 1879

Examiners' Fees

On the motion of Mr. Betty, seconded by Mr. Hills, it was unanimously resolved [at the Pharmaceutical Society's Council meeting on January 8, 1879] to raise the fees paid to examiners to three guineas per day. It appeared that originally the examiners did the work gratuitously. Afterwards four guineas were divided among them. Then they had a guinea per day each; next they had two guineas per day; but now, as the Society could afford it, and as the duties were very responsible, it was thought right to pay three guineas per day to each examiner.



[Commenced C. & D., July 5, 1924]

Porosity.—By the term porosity is generally understood the relation between the volume of the pores of an object and the total external volume. To determine this relationship the pores are filled up with an appropriate impregnation liquid of known specific gravity. The increase in weight observed divided by the specific gravity in question gives the volume of the pores. By this method the fact must not be lost sight of that only the pores open to the surface are taken into account. There are, however, especially in baked articles, as ceramic ware, etc., closed pores, entirely isolated by vitreous membranes, impermeable, and into which the impregnation liquid cannot penetrate. By the above method the following relationship only can be determined: Volume of open pores/total external volume, a value which can be described as "apparent" porosity in contradistinction to "actual" or "real" porosity, which has a much higher value. The difference between these two values is not negligible, as with ceramic ware, strongly burnt, the difference can be very marked. "Real" porosity is determined from the following relationship:

$$\text{real porosity} = 1 - \frac{\text{apparent specific gravity}}{\text{real specific gravity}}$$

real specific gravity referring to the actual substance, while apparent specific gravity represents the relationship between the weight and the total external volume, that is to say, the volume of the substance increased by the volume of all the pores. Real specific gravity is the more often determined by pycnometric methods. The weight of a bottle filled with water is taken, then partially filled with the material reduced to powder, weighed, then refilled with a suitable liquid of known density and reweighed. Let

P_1 = Weight of bottle, dry and empty.

P_2 = Weight of bottle, filled with water.

P_3 = Weight of bottle, part filled with material in powder.

P_4 = Weight of bottle, refilled with liquid of s.g. d .

Then the real s.g. of the material is given by

$$\frac{dP_3 - dP_1}{dP_2 - dP_1 - P_4 + P_3}$$

A point to be considered is the choice of liquid; it must wet readily and thoroughly the powder and not entangle bubbles of air, and must not change its s.g. with time. As regards the first point, water is unsuitable; and as regards the second, neither are benzene, chloroform, carbon tetrachloride. The best liquid is cyclohexanone, which has good wetting properties and a high boiling point, 157° C. It is however, rather expensive. To determine the apparent specific gravity, it is necessary to know the weight of the object, and its total external volume. For the exact determination of the latter mercury is employed: the sample is immersed in mercury contained in a cylinder of known section, and the rise in level is noted. The determination of apparent porosity necessitates three weighings and complete impregnation.

P_a = Weight of sample, dry.

P_b = Weight of sample, impregnated with liquid of s.g. d .

P_c = Weight of sample impregnated, but weighed without water.

$$\text{apparent porosity} = \frac{P_b - P_a}{P_b - P_c} \times \frac{1}{d}$$

Two points must be considered here: the choice of an impregnation liquid and how to fill completely the pores.

Warm water has been used, boiling for an hour with water and allowing to cool for two hours. Latterly melted soft paraffin of known s.g. has been employed, owing to the solvent action of water on some pottery, and because of its slow penetration, and the fact that determinations with boiling water cannot be done *in vacuo*. On some materials, however, water is without solvent action and penetrates even more rapidly than soft paraffin.

Power of Attorney.—A power of attorney is a written document under which one person appoints another person as his agent to act in his stead for certain purposes. Usually, the power of attorney is in the form of a deed poll, and if the donee of the power (the attorney) is to have authority to execute deeds, the power must be given under seal. Generally speaking, anyone can act as an attorney, including a married woman or an infant. A "general" power of attorney is one which enables the attorney to do all acts of a certain class; a "special" or "particular" power is one that is definitely confined to specified acts; and a "limited" power is one which contains specific instructions as to the manner in which it is to be acted upon and does not leave this to the discretion of the attorney. When the attorney acts within the scope of his power he will not be held personally responsible, and the person who gives the power (the donor) will be answerable to third parties with whom the attorney entered into transactions. An attorney may use his own name, signature and seal when acting in pursuance of a power of attorney. Provided he does not exceed his authority he will not be personally responsible to third parties, even if at the time he acted upon the power it had been revoked by the donor, or the donor had died or become bankrupt or insane, provided that the attorney was not aware of that fact. A power of attorney may be made irrevocable in favour of an attorney who gives value and may, in any case, be made irrevocable for a fixed period not exceeding one year in favour of purchasers for value who deal with the attorney.

Praseodymium.—A. von Welsbach, in 1885, resolved didymium, a supposed element, into two components, neodymium and praseodymium, by fractional crystallisation of the double ammonium and sodium nitrates. Various modifications of von Welsbach's process have been introduced. Praseodymium sulphate is approximately twice as soluble in water as neodymium sulphate at temperatures ranging from 10° to 70°, and this difference has been utilised for their separation. The metal praseodymium, Pr., s.g. 6.4754, at. wt. 140.92, m.p. 940°, is obtained by electrolysis of its fused chloride and purified by melting under anhydrous barium chloride in a magnesia crucible. Praseodymium forms the following compounds: praseodymium carbide PrC_2 ; fluoride PrF_3 , yellow crystals; chloride PrCl_3 , pale green hygroscopic mass; hydroxide Pr(OH)_3 , pale green precipitate; peroxide, PrO_2 ; oxide (praseodymia) Pr_2O_3 , greenish-yellow powder; sulphate, $\text{Pr}_2(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$; nitrate $\text{Pr(NO}_3)_3 \cdot 6\text{H}_2\text{O}$, deliquescent green needles; carbonate $\text{Pr}_2(\text{CO}_3)_3 \cdot 8\text{H}_2\text{O}$; oxalate $\text{Pr}_2(\text{C}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$, crystalline pale-green powder; dimethyl phosphate, green hexagonal crystals.

Prayer Beads, *Abrus Precatorius* (N.O. Leguminosae). The small twining plant yielding these seeds is a native of India, but is now found in most tropical regions. The seeds probably receive their name from being used as rosaries, and they are also much used for necklaces, basketwork, and for other ornamental purposes. They are brilliant scarlet in colour, and have a polished surface with a black patch near the hilum. There are, however, other varieties of a yellow and of a white colour. In the West Indies the seeds are also known as crabs' eyes, and in commerce as jequirity seeds. In India the seeds are employed as a standard of weight, the weight being almost uniformly $2\frac{3}{16}$ grain. The weight of the famous Koh-i-noor diamond was ascertained in this way. The root was recommended in the "Pharmacographia Indica" as a substitute for liquorice.

The C.&D. Commercial Compendium

It does not possess sweetness at all until it attains a certain size, and even then its sweetness is not marked, but the liquorice taste is very strong in the green leaves. The seeds contain a poisonous principle called abrin, which is a mixture of two proteid poisons, a paraglobulin (losing its activity at 75°) and an albumose (destroyed at 85°). The action of abrin resembles that of rattlesnake poison. The use of this poison for destroying cattle is a common practice in India, in order to obtain their hides. The seeds are mashed into a paste, shaped to the form of an awl, and fixed loosely in a handle so that the point can be driven beneath and left in the skin of an animal. These small spikes are called *sui* (a needle) or *sutari* (an awl). The death of the animal usually takes place on the second day. The description of how the *sui* or *sutari* are made and used is given at some length in the "Pharmacographia Indica" (vol. 1, pp. 443-447). The use of an infusion of jequirity seed to produce artificial inflammation in eye affections is not free from danger.

Precipitate, Red.—Red oxide of mercury, or mercuric oxide, HgO , is produced when mercury is heated in air. It is usually prepared by heating mercurous nitrate until no more nitrous fumes are evolved, or by pouring a boiling solution of mercuric chloride into excess of boiling potassium carbonate solution and boiling till the precipitate is of the correct colour. On large scale production the oxide is obtained in brick-red crystalline plates, s.g. 11.16. If a mercuric salt is precipitated with cold potash orange-yellow oxide is obtained of the same composition. The orange-yellow oxide is more easily acted on by reagents, and gives with oxalic acid the oxalate; with mercuric chloride the oxychloride is formed. It had been shown that the crystalline form of the red oxide differs from the yellow or amorphous form, and when heated to 250° the latter is converted into red oxide with partial decomposition. When red mercuric oxide is heated it becomes bright red and finally black, but regains its colour on cooling. Strongly heated, it decomposes into mercury and oxygen. Mercuric oxide is poisonous. At 25° it dissolves in 20,000 parts of water, at 100° in 2,200 parts, slightly soluble in solutions of sodium hydroxide. Heated with zinc, tin, antimony, sodium, the oxide is reduced to metal. Mixtures with sulphur explode when heated, with phosphorus detonate under percussion. Chlorine at red heat transforms it into mercuric chloride, the oxygen being liberated. Fused potash dissolves it, forming the double oxide. The U.S.P. requires it to contain not less than 99.5 per cent. of HgO .

Precipitate, Sale.—The term "precipitate" means in ordinary household use, as applied to chemicals, ammoniated mercury (white precipitate) or red oxide of mercury (red precipitate). Red precipitate and white precipitate are included in the Poisons Schedule, Part II, and can only be sold retail by a pharmaceutical chemist or chemist and druggist and subject to the conditions governing the sale of Part II of poisons.

Precipitate, White.—*Infusible white precipitate*, $\text{H}_2\text{N} \cdot \text{HgCl}$, or amino-mercuric chloride, prepared by adding to a solution of mercuric chloride a solution of ammonia, is a white, inodorous powder, slightly soluble in boiling water, soluble in hydrochloric, sulphuric, acetic, nitric acids, insoluble in alcohol. Heated to 360° it volatilises. *Fusible white precipitate*, $\text{Hg}(\text{NH}_2)_2\text{Cl}_2$ is produced by boiling white precipitate with ammonium chloride solution. Ammoniated mercury is used to destroy pediculi and in the form of ointment in eczema and parasitic skin diseases. In France *précipité blanc* is a synonym for calomel.

Precipitin Reaction.—When a protein is injected into an animal, the serum acquires the property of precipitating that protein (antigen). The precipitin gives the reaction only with the protein which produced it or those

allied. Protein therapy has been employed for immunisation in bronchial asthma and allied affections, and a test whether a person is sensitive to various proteins determines treatment by segregation from a particular protein or proteins, or desensitising with gradually increasing doses of non-specific proteins. Test solutions are arranged in groups: animal proteins, furs and feathers, cereals, fruits, vegetables, bacterial, pollens. The "precipitin" reaction has been employed in meat inspection to determine the origin of meat in sausages and other minced forms. (See Proteins).

Preliminary Examination.—The Pharmaceutical Society requires before registration as an apprentice or student that the applicant shall have secured, in not more than two examinations, a certificate embracing English, arithmetic, algebra, geometry and two optional subjects, of which it is recommended that Latin should be one. Such examination constitutes the Preliminary examination. Certain certificates are also specified which are accepted; a list of these can be obtained from the Secretary, Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1.

Premises, Improving Existing.—New shopfitting and display devices are continually being introduced, and it is often possible by an occasional addition to improve the whole appearance of the shop. For example, glass counters rapidly replacing wooden counters in all modern pharmacies, but the chemist whose shop is equipped throughout with the latter need not necessarily go to the expense of scrapping these and installing plate-glass display counters. Glass showcases specially constructed for use on the old-style wooden counters are now available. One type of these counter showcases is frameless, and, therefore, well suited for such displays as perfumery. The standard dimensions of these cases are 1 ft. 6 in. high, 1 ft. 6 in. deep, and 2 ft. 6 in. wide; but they can also be made to any length required. Tall showcases can be obtained for use at each end of the counter in conjunction with a flat centre case. A suite of this description is specially suitable for serving-counters, as the centre cases are sufficiently low to permit service to be carried out on top, while the products exhibited inside them are displayed for the customers' inspection, and are, at the same time, within easy reach of the assistant. Counter showcases for independent or group use are obtainable in a large range of sizes. These, of slightly cheaper construction, are so made that they can be assembled by the retailer himself, the front, sides, and top being clipped together and held in position by screws, the shelves being supported by glass brackets already fixed to the glass sides. Where the owner of a shop with out-of-date fittings does not wish to go to the expense of entirely re-equipping it, there is the alternative method of gradually replacing wall-fixtures, counters, showcases, and island groups by unit fittings. This type of storage and display equipment is based on the always-complete-but-never-finished principle, each section is a complete fitting in itself or can be made the component part in the shop-planning scheme. The advantage of these unit fittings is that they can be purchased in any number, and can be added to as capital permits or increased stock makes necessary. An interesting development in shopfront erecting is the manner in which the shopfitter effects the transformation by quick stages and reconstructs a front without hampering the trade carried on in the shop. First of all, detailed plans and sketches are prepared showing every figure of dimension needed by the shopfitter's staff. The various materials—stone, metal, wood, or glasswork, each having a separate drawing. These plans are, of course, drawn to scale, and the various sections are made from them in the shopfitter's factory. Often, when the respective components are completed, the structure is assembled and erected in the workshop and then taken to pieces again. By this means delivery on the side of all materials, completely finished and ready to be put into position, can be made by a given date.

£6 of ROBOLEINE for £5

Any chemist who undertakes to make a fortnight's window display of Roboleine and places an order for £5 net value (made up in any sizes) will receive an additional £1 worth free, together with a supply of samples, literature and display matter. The consignment will be sent carriage paid, in a free case.

Roboleine has no opposition to overcome. It has been on the market 22 years and has an established position with Doctors and with the public. And this winter it is being advertised as never before, in all the great national dailies, in the leading provincial newspapers and in a long list of Women's papers. 127,684,000 large advertisements will appear between the beginning of October and the end of April.

Roboleine is going to be a best-seller this winter. Now is the time to make sure and get a good share of the increased trade.

Roboleine

CONCENTRATED NOURISHMENT
IN EVERY SPOONFUL

Direct Treatment of
INFLUENZA WITH VACCINES
 FOR PROPHYLACTIC AND THERAPEUTIC USE

**ANTI-CATARRH
 VACCINE**
 Prophylactic
 3 doses.



**THE VACCINE
 FOR COLDS**
 Curative
 3 doses.

INFLUENZA VACCINE 2 doses.

Prepared by the Research Laboratory of the Royal College of Physicians, Edinburgh.

Issued by and full particulars from

DUNCAN, FLOCKHART & CO.

104 HOLYROOD ROAD EDINBURGH & LONDON 155 FARRINGTON ROAD, E.C.1.

GLYCERINE

The chemically pure glycerine supplied by us is guaranteed to comply with all the requirements of the Food and Drugs Act and the British Pharmacopœia.

PRECIPITATED CHALK. Finest and lightest, also heavy grades.
COD LIVER OIL. (Finest Lofoten.)
CASTOR OIL. **OLIVE OIL.**
DECOLORISING CARBON.
PERSULPHATES: Ammonium, Potassium & Sodium.

HALLER & PHILLIPS, LTD. (Established as GEO. HALLER & CO., in 1878)
 Mildmay Chambers, 69 Bishopsgate, London, E.C.2.
 Phones: London Wall 4456/7. Tel. Add.: "Haloid, Stock, London."

**HOPKIN & WILLIAMS
 LTD.**

**FINE
 CHEMICALS**

16 & 17 Cross Street,
 Hatton Garden, E.C.1.

WE SPECIALIZE IN
 THE MANUFACTURE OF
GALLIC ACID - PYROGALLIC ACID
 PURE & TECHNICAL RESUBLIMED, PURE CRYSTAL & TECHNICAL

WHOLESALE & EXPORT ONLY. Enquiries Invited.

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX.
 TELEPHONE: GRANGEWOOD 0076. TELEGRAMS: "GALLIC, BARKING."

CHEMICALS

of every description will be shown in

HALL "K"

BRITISH INDUSTRIES FAIR, 1929

from FEBRUARY 18th to MARCH 1st

This Preliminary Announcement is made by the
ASSOCIATION of BRITISH CHEMICAL MANUFACTURERS
through the courtesy of

JOHNSON & SONS, Manufacturing Chemists, LTD.
HENDON WAY, HENDON, LONDON, N.W.4

"CIBA" BRAND

OVARIAN PREPARATIONS OF SPECIAL IMPORTANCE

**STANDARDISED
OVARIAN HORMONE
SISTOMENSIN**

Indicated in Dysmenorrhœa, Menorrhagia,
Menopause (natural and artificial), Hypo-
plasia of the Uterus, Infantilism, Sterility,
etc.

Ampoules and Tablets

**HYDROSOLUBLE
OVARIAN SUBSTANCE
AGOMENSIN**

Of value in Functional Amenorrhœa,
Oligomenorrhœa, Vomiting of
Pregnancy, etc.

Ampoules and Tablets

**OVARIAN
HORMONE COMPOUND
PROKLIMAN**

Tablets for the treatment of Climacteric
Disorders.

Bottles of 40 and 100

THE CLAYTON ANILINE CO. LTD.

PHARMACEUTICAL DEPARTMENT

40 SOUTHWARK STREET, LONDON, S.E.1

Telephones: HOP 6954, 6955

Telegrams: CIBADYES BOROH LONDON

PACKED GOODS

of Quality

and other products
which

Justify Confidence

The Quality of our products is such that we have every confidence in them. Though the price is low we can guarantee satisfaction.

△ △ △ △

CHEMICALS, DRUGS GALENICALS

All Chemicals and Drugs guaranteed to conform to B.P. where stated, and in other cases to be of absolutely first-class quality. Samples on request. Personal attention given to all orders. Trial Order solicited. All goods delivered free in London. Country free £2 and over.

△ △ △ △

Our Speciality:
PARAFFINUM LIQ.

△ △ △ △

**REDDGRAVE, BUTLER
& CO., LTD.**

Forest Lane, Stratford,
London, E.15

Phones: Maryland 1799. Maryland 3357.
Wires: "Paraliq, Forgate, London."



ZINC OXIDE

*The Purest
Pharmaceutical*

*Zinc Oxide on the market
the standard of purity being*

99.99%

A Genuine British Product

FULL PARTICULARS AND
COMPETITIVE PRICES
FROM THE MANUFACTURERS.

Felling Zinc Oxide Co.

Felling-on-Tyne
Newcastle-on-Tyne



Buy Magnesia from
The WASHINGTON CHEMICAL CO. LTD.
the originators of the
Pattinson process
and

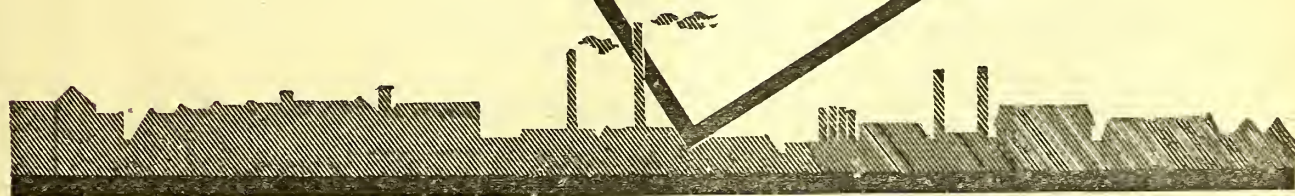
Get the benefit of
88 years experience
and research.

Since 1840 the Company have manufactured the world renowned Pattinsons Magnesia and the word PATTINSONS in connection with Magnesia is synonymous with WASHINGTON.

The Works property extends over an area of 50 acres, and we are to-day the largest producers of Magnesia in Europe, shipping to almost every part of the World, with a well equipped Research Department which is at your service.



PATTINSONS
MAGNESIA



The WASHINGTON CHEMICAL CO. LTD

WASHINGTON STATION
COUNTY DURHAM · ENG.

ALKALOIDS

Fine Chemicals Opium Derivatives

ALOIN	DIAMORPHINE	LEPTANDRIN
ATROPINE	EMP. CANTH. LIQ.	MORPHINE
BISMUTH SALTS	ERGOTIN	OPIUM
CAFFEINE	ESERINE	PODOPHYLLIN RESIN
CANTHARIDIN	ETHYLMORPHINE	SALICIN
CAPSICIN	GINGERIN	SANTONIN
CHLOROFORM	HYOSCYAMINE	SCAMMONY RESIN
CHRYSAROBIN	IRIDIN	STRYCHNINE
CODEINE	JALAP RESIN	VERATRINE

Goods covered by Dangerous Drugs Acts offered subject to all regulations.

T. & H. SMITH L^{TD}

BLANDFIELD WORKS : 25 CHRISTOPHER STREET : 32 & 34 VIRGINIA STREET
EDINBURGH. : LONDON, E.C.2. : GLASGOW.

ESTABLISHED 1827

BURKETT, SHARP & CO., LTD.
DRUGS 8 HARP LANE **CHEMICALS**
 LONDON, E.C.3

**ACID
SALICYLIC**

Warrington Chemical & Drug Co., Ltd.
Paddington, nr. Warrington.
Telegrams: "Salicin, Warrington."

PARA AMIDO PHENOL

**SODA
SALICYLATE**

EPSOM SALTS, B.P. *Needle Crystals,
Medium, and Exsiccated.*
GLAUBER SALTS, B.P. *Pea Crystals
and Feathery.*
LIQUOR FERRI PERCHLOR. FORT. B.P.

ENQUIRIES INVITED.

HARRIS, HART & CO. Ltd. *Offices : 17 Cooper St., MANCHESTER.
Works : Moss House Works, Blackley, Manchester.*

Tel. No. : CITY 8497.

Tel. Address : "Harp, Manchester."



Salicylates

PUREST AND BEST

Sodium Salicylate, powder, flakes and crystal, B.P.

Physiologically Pure.

Salicylates of

Ammonium, Calcium,

Iron, Lithium, Lead,

Magnesium, Potassium, Zinc.

CHEMISCHE FABRIK VON HEYDEN, A. G. Radebeul-Dresden (Saxony)

Trade



Mark.

Sole Agent for the U.K.:

H. W. BRAUN, 16 Water Lane, Great Tower Street, LONDON, E.C.3.

Telephone: Royal 7076.

Telegrams: "Ilchembrau, Bilgate, London."

2

SANTONIN

THE demand for Santonin is universal. In all the markets of the world, customers require a guarantee that the goods are the genuine Russian product from THE SANTONIN WORKS, TCHIMKENT, TURKESTAN.



*Sole Representatives of the
Tchimkent Santonin Factory*

ARCOS LTD.

**33 King William St.,
LONDON, E.C.3.**

Packed in Bottles $\frac{1}{4}$ oz., $\frac{1}{2}$ oz., & 1 oz.

*or 10, 15 and 25 grammes (under
original Factory Label and Seal).*

Obtainable from usual Wholesalers.





Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of

99.9 PER CENT.

of pure oxide; in fact, the impurities are not traceable.

Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C.3

MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen Street, Melbourne.

Sold by the following Wholesale Druggists in Boxes of 7 lb. and 14 lb. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles:

Allen & Hanburys Ltd.	Hodgkinson, Prestons & King
Ayrton, Saunders & Co. Ltd.	Horner, L.A., & Sons
Bell, Jno., & Co.	Huskisson, H. O., & Co.
Bleasdale Ltd.	Lofthouse & Saltmer Ltd.
Boots Pure Drug Co. Ltd.	Mackay, Jno., & Co. Ltd.
British Drug Houses Ltd.	May, Roberts & Co. Ltd.
Burgoyne, Burdidges & Co.	Olfield, Pattinson & Co.
Butler & Crispe Ltd.	Pinkerton, Gibson & Co. Ltd.
Clay, Dod & Co.	Potter & Clarke Ltd.
Cockburn & Co. Ltd.	Raines, Clark & Co., Ltd.
Corbyn, Stacey & Co. Ltd.	Raines & Co.
Dakin Brothers	Rankin & Borland
Duncan, Flockhart & Co.	Silversides, R. B. G.
Evans, Gadd & Co. Ltd.	Smith, T. & H. Ltd.
Evans Sons Lescher & Webb Ltd.	Southall Bros. & Barclay Ltd.
Ferris & Co.	Sumner, R., & Co.
Gale & Co.	Taylor, Jas. (Tringate) Ltd.
Glasgow New Apothecaries Co.	Thompson, John, Ltd.
Goodall, Backhouse & Co.	Wilkinson & Simpson Ltd.
C.R. Harker, Stagg & Morgan Ltd.	Willows, Francis, Batler & Thompson Ltd.
Harkness, Beaumont & Co. Ltd.	Woolley, Jas., Sons, & Co. Ltd.
Hatrick, W. R., & Co.	Wright, Layman & Umney Ltd.
Hirst, Brooke & Hirst	Wyleys (Ldn.)

Barry, E. J., New York	Mnith Brothers & Co., Baltimore
Finlay Dicks & Co., New Orleans	S. B. Penick & Co., Inc. New York
E. Fongera & Co., 90/92 Beekman Street, New York	Roller & Shoemaker, Philadelphia
Chas. L. Hulsing, Inc., 5 Platt Street, New York	Schieffelin & Co., Inc., New York
Lehn & Fink, Inc., N. York	Shoemaker & Busch, Philadelphia
McKesson & Robbins, Inc. New York	

BRADY & MARTIN

Offer **LIMITED**
Northern Pharmacists
Prompt Service,
Keen Prices and Good Quality.



Seasonable
"Own Name"
Packed
Goods.

GALENICALS
COD LIVER OIL
EMULSION
MALT EXTRACTS
PILLS AND TABLETS

Well-known Specialities:

HEPATISAL KRITHOL
SEPTOPHON CREAM and DUSTING POWDER

VISITS AND ENQUIRIES INVITED.
FREQUENT MOTOR-VAN DELIVERIES.
SPECIAL QUOTATIONS FOR QUANTITIES.

**Northumberland Road
NEWCASTLE-UPON-TYNE.**

'Phone: Central 5618/9. Wires: "Martin, Newcastle-upon-Tyne."

"HOSHI"
PHARMACEUTICAL WORKS
TOKYO, JAPAN.

**QUININE
SULPHATE
BISULPHATE
HYDROCHLOR**

STOCKS IN LONDON.

EUROPEAN DISTRIBUTORS:
RALPH L. FULLER & CO., LTD.
21 HARP LANE, LONDON, E.C.3

Boots Products

ACRIFLAVINE (BOOTS)
BISMOSTAB
CHLORAMINE-T (BOOTS)
CHLOROFORM (BOOTS)
CHOLUMBRIN
GONOCOCCUS VACCINES (BOOTS)
HEXYL-RESORCINOL (BOOTS)
INSULIN (BOOTS)
LIVER EXTRACT (BOOTS)
ORARSAN
PITUITARY EXTRACT (BOOTS)
STABILARSAN
SULPHOSTAB
THIOSTAB
VIULES

Address all enquiries to :

WHOLESALE & EXPORT DEPARTMENT
**BOOTS PURE DRUG
COMPANY, LIMITED**

Manufacturing Chemists and Makers of Fine Chemicals

NOTTINGHAM - - - ENGLAND

Telephone : Nottingham 45501.

Telegrams : "Drug, Nottingham."

Telephone: New Cross 0750.

Telegrams: "Triassic, Kent, London."

J. M. SMITH & Co. (London) Ltd.

Established 1860.

Over 60 years' reputation as Manufacturers of Dependable Lines.

Sanitary Fluids.
White D. A. Fluids.
Carbolic Acid.
Pinogen.
Lysol.
Disinfecting Powders.
Naphthaline.
Benzine.
Ammonia.
Embrocations, Etc., etc.

Dental Creams.
Tooth Powders.
Zymate Tooth Paste.
Toilet Powders.
Hydrogen Peroxide.
Camphorated Oil, B.P.
Eucalyptus Oil, B.P.
Olive Oil, B.P.
Liquid Paraffin, B.P.
Hair Toilet Lines, Etc., etc.

EXPORT TRADE—Note Brands: "Triumph" and "J.M.S."

28 Arthur Street, Old Kent Road, LONDON, S.E.15.

J. M. S.**HENRY'S CALCINED MAGNESIA**

Continues to be prepared with scrupulous care in the greatest chemical purity by
Messrs THOMAS & WILLIAM HENRY, 11 East Street, St. Peter's, Manchester.
And is sold in bottles authenticated by a stamp bearing their name
New York: Messrs. SCHIEFFELIN & Co., William Street. PRICE 2s 9d
Paris: Messrs. ROBERTS & Co., 5, Rue de la Paix.



TRADE MARK
REGISTERED
NO. 462,940

"SPETON"

Originally known to the
Medical Profession as
"SPERMATHANATON."

*Entirely free of Quinine and Cocoa butter***ANTISEPTIC PROPHYLACTIC TABLETS**

Manufactured by (New English Registered Packings of 12 Tablets) Sole Agents for U.K. & British Colonies,
The Temmler Chemical Works, Berlin. COATES & COOPER, 41 Gt. Tower St., London, E.C.3

QUININE

QUINIDINE
CINCHONINE
CINCHONIDINE

and

SALTS

Sugar-coated Quinine Tablets and Pills.

Gelatine-coated Oval Pills.

BANDOENG
JAVA

BANDOENG QUININE FACTORIES

AMSTERDAM
De Wittenkade 48-50.

Telegrams: "Kininefabriek Bandoeng."

Samples, prices and particulars on application.

Telegrams: "Semadmy Amsterdam."

DANGER MONTHS FOR THE CHEST



Compiled from the Registrar General's latest returns of six seasonable diseases of the respiratory organs—Bronchitis, Asthma, Pleurisy, Pneumonia, Laryngitis, and Influenza.

OFFICIAL figures show that January and February are the danger months for the robust as well as the weak chested.

We are explaining these remarkable facts to the public in bold and extensive advertisements.

REPLENISH IMMEDIATELY YOUR STOCKS OF

PEPS

C. E. FULFORD LTD., CARLTON HILL, LEEDS

*The 'Yadil'
boom has
begun. Are
you participating?*

Don't let the man in the next
street do all the business.

*We shall be happy
to help you if
you will write us.*

YADIL PRODUCTS (1925) LIMITED
Sicilian House, London, W.C.1

Chemists & Druggists

should note that

Beecham and Veno Proprietaries yield fair profits, and are the best paying propositions to handle.

Beecham and Veno Proprietaries entail no loss to the Chemist, as any stocks which may become damaged in any way are promptly replaced free of charge.

Beecham and Veno Proprietaries are now regarded as the best selling proprietaries in the Drug Trade.

Beecham and Veno Proprietaries are worth a display in your establishments, as their steady and increasing sale will amply repay any selling co-operation extended to them.

is therefore in the interests of all Chemists and Druggists to hold good supplies of

BEECHAM'S PILLS

DR. CASSELL'S TABLETS

GERMOLENE

VENO'S LIGHTNING COUGH CURE

BEECHAM'S POWDERS

For latest Price List and particulars send a post-card to

BEECHAMS PILLS, LTD., Chester Road, MANCHESTER

"Thilocologne"

"DR. THILO" (Name registered)

Ethyl Chloride Cum Eau de Cologne

Has Caught On.



Observe Thilo's New
Syphon Bottle.



Observe Thilo's New Drop Nozzle for
General Anæsthesia.

Absolute Chemical Purity.
Competitive Prices.

Now used extensively by

DENTISTS.

HOSPITALS.

GENERAL PRACTITIONERS.

Ask for prices and free sample tube for demonstration.

W. BREDT, 41 Gt. Tower St., London, E.C.3

(Sole Concessionnaire for the U.K. and Ireland).

Dr. BENGUÉ'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

Dr. BENGUÉ'S ETHYL CHLORIDE.

Dr. BENGUÉ'S DRAGÉES.—EUPURGO.

PULMO (BAILLY).—FORXOL.—OPOBYL.

ANESTILE.—NARCOTILE.—HEMOSTYL.

LIPIODOL.—MUTHANOL.—ARHEMAPECTYL.

ENTERO ANTIGENS.—STAPHYLOTHANOL.

NEOPANCARPINE. RICARD'S CACHETS.

BENGUÉ & CO., LTD., MFG. CHEMISTS,
24 FITZROY STREET, LONDON, W.1.

GARFIELD TEA

PROMPT SHIPMENT

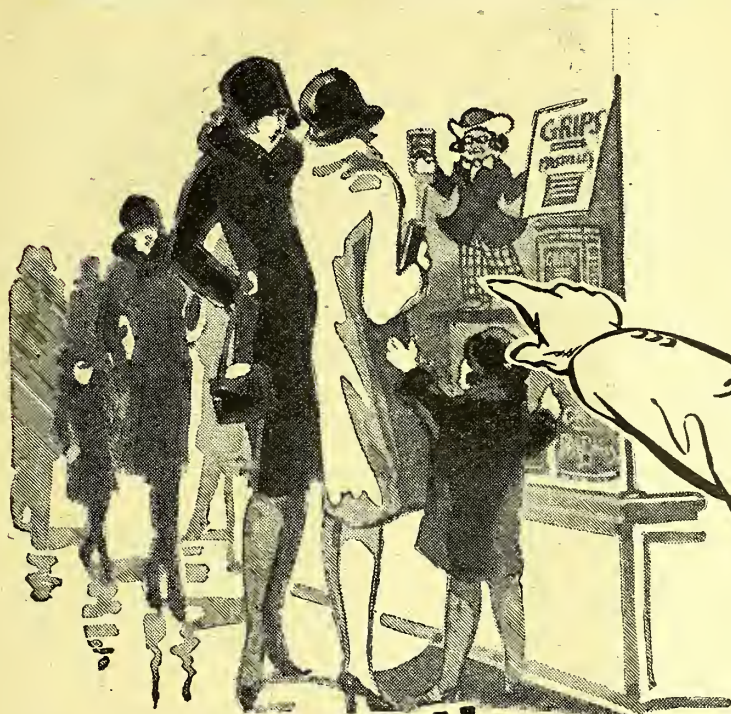
ALL SIZES

'Phone or Write:

GARFIELD TEA CO.

44 Foxbourne Road

BALHAM, LONDON, S.W.17.



THEY want them Now!

January, February and March—the three worst months of winter—are ahead. Feature “GRIPS,” the world’s premier medicated sweetmeat, during the ‘Flu’ weather and offer your customers a reliable safeguard against the dangers of cold, fog and damp. The famous blue and gold containers are a magnet to all who bark and shiver. Order a supply through the usual trade channels. Liberal trade terms and forceful advertising make “GRIPS” First-Aid Pastilles well worth featuring.

Distributing Agents to the Wholesale and Retail Chemists’ Trade:

THOS. CHRISTY & COMPANY
4/12 OLD SWAN LANE, LONDON, E.C.4

‘GRIPS’

FIRST AID PASTILLES



**BIG ADVERTISING! BIGGER SALES!!
BIGGEST PROFITS!!!**

IRVING'S Yeast-Vite TONIC TABLETS.

OUR NATION-WIDE ADVERTISING is creating an unprecedented demand, and Chemists throughout the United Kingdom are reporting as under:—

"Selling like hot cakes."

"Nearly sold out—send enclosed order at once."

"Wonderful Sales."

"Your Advertising is selling the goods as never before."

"Sales greater than ever."

LOOK at the profit on a *Special 14 day Window Show Parcel. Sent Carriage Paid together with BONUS and FREE Display Material.*

	COST.	SELLS.	
6 doz. 1/3 size @ 12/-	£3 12 0	£4 10 0	} £5 PARCEL (P.A.T.A.)
1 " 3/- " @ 28/10	1 8 10	1 16 0	
	£5 0 10	£6 6 0	
BONUS 12 only 1/3	free	15 0	} 46% PROFIT ON COST
2 " 3/-	free	6 0	
30 days NETT	£5 0 10	£7 7 0	30 days CREDIT
			PROFIT £2 6 2.

LATEST SHOW MATERIAL to link up with our huge Advertising sent FREE and POST FREE. State whether required for Small, Medium or Large Display.

IMPORTANT.—Our new Factory is in full swing, but we are taxed to the utmost in meeting all demands. Order NOW to avoid losing sales.

IRVING'S YEAST-VITE, LTD., WATFORD, HERTS.

Telephone:—WATFORD 1475 & 806 (5 lines).

Telegrams: YEAST-VITE, WATFORD, HERTS.

It will pay you to stock them!

When the public demand goods bearing a specified name the wide-awake retailer prepares to meet that demand and so reap the benefits which follow.

IGLODINE has become a household word, and the public, through satisfaction which comes after trial, are demanding IGLODINE PREPARATIONS. Are you the retailer who is preparing to meet the demand?

Iglodine.

The Safe and Pure Antiseptic

Write to-day for full particulars to:

THE IGLODINE CO., LTD. Newcastle-on-Tyne.

TO GET

INTO DIRECT TOUCH

with the best buyers of Drugs,
Chemicals, and allied products

ALL OVER THE WORLD


use regularly the publicity
service afforded by

THE CHEMIST & DRUGGIST

Petrolagar

YOU please the doctor and his patient who is your customer by always being in a position to supply 'Petrolagar' on demand. An imitation of this or any other worthy product will displease your customer, no matter how cheap the imitation is.

'Petrolagar' is the trade mark distinguishing the fine emulsion of mineral oil and agar-agar issued in four varieties, Plain, with Phenolphthalein, Alkaline and Unsweetened, manufactured only by DESHELL LABORATORIES LTD., BRAYDON ROAD, LONDON, N.16.



5% BONUS!

Profit by your own enterprise

An opportunity to make additional profit
and to increase Sales by displaying NONN

**DISPLAY MATERIAL**

The circular design illustrated is artistically carried out in blues, slate and flat red and can be supplied either gummed ready for window front or door panel or mounted and fitted so that it will either hang or stand as a showcard. Liberal supplies of the cartons and booklets are also available.

THE success of NONN is due to consistent advertising backed by window displays and the efficacy of the remedy itself. Sales are increasing steadily and the large number of repeat orders is very gratifying.

We want more enterprising Chemists to display NONN, so, as an incentive to co-operation, we are offering an additional 5% discount as bonus to all who will undertake to make a special window display. This offer holds good on parcels of one dozen assorted cartons ordered direct or through your usual wholesaler before January 31st.

Showcards, window adhesives and cartons will be supplied to your requirements together with a supply of counter booklets — "New Light on Your Mysterious Nerves." And in consideration of the large amount of advertising we are doing it is up to every Chemist to reap the full benefit by making a good window display.

So, help yourself by ordering a supply of NONN, let your windows mirror the fact that you have it, and NONN will sell and sell again.

Act now before you turn the page!

Nonn FOR NERVES

RESTORES SELF-CONFIDENCE

PRICES AND PARTICULARS. Nonn is supplied in RED cartons for MEN and in BLUE cartons for WOMEN. P. A. T. A. 3/- per carton.

Wholesale 27/- dozen.

PROPRIETORS OF NONN LTD, 45 GORDON SQUARE, LONDON, W.C.



Continuous Advertising of
DR. KILMER'S
SWAMP-ROOT

The Liquid Herbal

**KIDNEY, LIVER AND
BLADDER MEDICINE**

is greatly increasing the demand
of this well-known remedy.

Order NOW
and avoid turning customers away.

FREE

Counter Wrappers with Coupons
for a Free Sample Printed with
your own name and address.

Write to-day for a supply of Counter Wrappers carriage
paid and particulars of our Window Show Offer.

All lines on P.A.T.A.

DR. KILMER & COMPANY
214-216 Brixton Hill, London, S.W.2

**When your
customers
ask your
advice
say—**

—but of course you will only recom-
mend that which is of proven worth.
In cases of colds, coughs, catarrh and
all bronchial troubles the efficacy of
Lakerol Pastilles is acclaimed by
leading medical men. And the special
bonus terms show you a handsome
profit. Write for samples and
quotations.



PASTILLES Ltd., 124 High St., Shoreditch, London, E.1

*More and
more
everyday!*

Snowfire Cream is fast becoming the popular
favourite. Chemists all over the country
are sending in more and more orders every
day. Women in their thousands are finding
in this fragrant non-greasy cream a real
skin beautifier. Recommend Snowfire and
secure quick sales and a rapid turnover.

**Snowfire
CREAM**

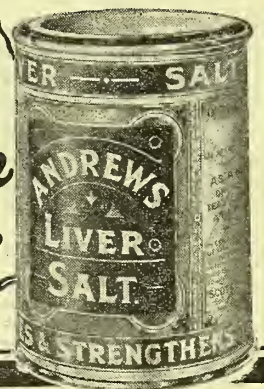


In handsome Opal Jars and neat Aluminium
Containers retailing at 1/3 and 3d. respectively.

F. W. Hampshire & Co. (1927) Ltd.
Riverside Works, DERBY.

Agents— India
Messrs. Siqueira & Son,
121 Fort St., Fort, Bombay.
Australia:
Messrs. Salmon & Spraggon
(Australia) Ltd.,
218 Kent St., Sydney, N.S.W.

*The Saline
with the
largest sale
9d. & 1/4.*



**DUTCH
Sugar
of Milk.**
"THE BEST"

**HOLLANDSCHE
MELKSUIKERFABRIEK
Amsterdam**

TRY AN 'ASPRO' WINDOW DISPLAY AND BUY ON BONUS TERMS

We are frequently pointing out the wonderful pulling power of the 'ASPRO' Window Display on account of its linking up with continuous and ever-increasing publicity. A test made of a display will interest all chemists who wish to increase their business.

'ASPRO' has a Tremendous Power to Build Up a Chemist's Business

A test will demonstrate what a great power 'ASPRO' Publicity is to help the Chemist. It is not only on account of the actual 'ASPRO' that it usually sells, but also on its great value in bringing customers into the Chemist's shop who would not otherwise have come in. Every time you put an 'ASPRO' window display in you connect up with a £250,000 continuous advertising activity just the same as if you put your own name at the foot of the advertisements. Why not write us for a window display to-day, also take advantage of the liberal bonus terms shown below whereby you can make an extra 17% profit?



SEND FOR ONE OF THESE DISPLAYS



Buy 'ASPRO' on Bonus Terms and Get 17% EXTRA PROFIT

Just have a look through your purchases of 'ASPRO' and you will find that you are in a position to buy on Bonus terms. Buying on Bonus terms means extra profit averaging 17% to you. So why not place your next order through your Wholesaler on Bonus terms?



WHAT THE BONUS IS

BONUS { One Gross Order - Bonus 1 doz. pkts.
Half Gross Order - Bonus ½ doz. pkts.
on 10's { Half Gross 10's is minimum order
accepted for Bonus purposes.

BONUS { One Gross Order - - Bonus 2 doz. pkts.
Half Gross Order - - Bonus 1 doz. pkts.
on 25's { Quarter Gross Order - Bonns ½ doz. pkts.
Quarter Gross is minimum quantity.

NO BONUS ON 60's.

CONDITIONS

The only conditions made are that the Chemist who buys on these terms undertakes to show Advertising matter in his shop window for 14 days and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO' but should enable the Chemist's staff to make other sales to the customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., single lots 6 dozen 10's or 3 dozen 25's will qualify the Chemist.

HOW TO ORDER BONUS PARCELS

We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler so that we may forward the order on, and the Bonus will be supplied direct by us.

ORDINARY PRICES for { 6d. size containing 10 tablets - 4/6 dozen } **NOTE.**—2/6 size contains
'ASPRO' are as follows: { 1/3 size containing 25 tablets - 11/6 dozen } 10 extra tablets.
2/6 size containing 60 tablets - 21/- dozen

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), Slough, Bucks.

No proprietary right is claimed in the method of manufacture or the formula.

'Phone: SLOUGH 608



A VALUABLE TONIC FOOD FOR NERVES & BRAIN

AN ORGANIC FOOD preparation, containing the *Lipoids* of the substance of the central nervous system and the *Vitamines*, A, B, D and E, combined with Lime, Iron, soluble Lacto-Albumines, Hæmoglobin and Carbo-Hydrates.

A perfectly pure natural Tonic food prepared scientifically under the supervision of experts. An unequalled Reconstituent for both Children and Adults in all cases of weakness or the after-effects of illness.

Obtainable from the Principal Wholesale Chemists and Sundries Houses.

PRICES (F.A.T.A.) for Great Britain and Ireland:
POWDER, Boxes of $\frac{1}{2}$ lb. net, 3/- Boxes of $\frac{3}{4}$ lb. net, 5/6. TABLETS, Boxes of 54, 3/6.

Special Packing for Export. Prices on application.

In TABLET form "NEW-PROMONTA" is packed in flat boxes each containing 54 tablets. An aluminium tube, which holds a day's supply and can be carried easily in the pocket, is included in every box—a feature of great convenience to travellers and those professionally engaged.

In POWDER form "NEW-PROMONTA" is packed in handy sealed boxes of two sizes containing $\frac{1}{2}$ lb. and $\frac{3}{4}$ lb. respectively.

NEW-PROMONTA

A SCIENTIFIC FOOD FOR THE NERVOUS SYSTEM

PROMONTA COMPANY, LIMITED, Westmorland House, 127/131 Regent St., London, W.1
Telephone: Regent 7950. Telegrams: Nupromonta, Piccy, London

"NEW-PROMONTA" is prescribed and recommended by the Medical Profession.

"NEW-PROMONTA" is used in Hospitals and University Clinics.

"NEW-PROMONTA" gives tone and power to the Nervous System and the Brain.

"NEW-PROMONTA" increases the Appetite and aids Digestion.

"NEW-PROMONTA" enriches the Blood.

"NEW-PROMONTA" gives an increased vitality.

"NEW-PROMONTA" is extremely palatable to persons of all ages.

TWO FAMOUS LINES IN STRONG DEMAND

1. Sheppey's MEL ROSE TABLET

Our highly successful Winter Advertising Campaign in the most popular National and Women's papers continues, and will shortly be reinforced by bookings in the Provincial Press. With trying weather conditions ahead, Pharmacists may expect a further large and sustained demand for this famous Preparation for Face and Hands.

The three sizes retail at 2d., 3d., and 6d. Both the latter are now TRANSPARIT wrapped, each dozen packed in an attractive Display Outer, suitable for counter or window display.

	Under 1 gross	1 gross
TERMS: 2d. Tablet ..	1/3 per doz.	13/6
3d. " ..	2/- per doz.	24/-
6d. " ..	4/- per doz.	48/-

The 2d. Tablet is supplied in 5-gross lots at 13/- per gross.

2. Sheppey's CHILBLAIN TABLET

This Preparation also yields a very satisfactory turnover, and during the coming months will be included in our advertisements.

These Tablets retail at 2d. and 3d. Terms as above.

Ask your wholesaler for our special "GLOWORM WINDOW SIGN."

SHEPPEY'S
MEL ROSE
Preparations

RAPID TURNOVER—
ASSURED PROFIT

Sole Manufacturers:
ROBERTS & SHEPPEY,
2 Skipton Street,
London, S.E.1.

THERMAL LINIMENT

A very warm and stimulating Liniment.



Nothing produced in the British Empire or in America can be found more effective and quick in its remedial action.

Put up in neat 3 oz. panelled bottles in showy cartons and with labels of a compelling character.

Retail
1/3

Price	3 dozen
8/6	8/-
per Dozen	per Dozen

Seller's name and address printed free on 3 dozen lots.

Apply—
LOFTHOUSE & SALTMER, Ltd.
Wholesale Druggists
HULL



PARKE, DAVIS & CO.
Standardised
Cod-Liver Oil

Vitamins interest the Public. When they understand that cod-liver oil is one of the most trustworthy sources of vitamins, the avenue for a large increase in cod-liver oil sales is widened.

Have a bottle of P., D. & Co. Standardised Cod-Liver Oil at hand to show your customers. Point out that the label gives definite figures for the vitamin A and vitamin D it contains; that the oil is extracted from the fish within two hours of leaving the sea; and that it is, therefore, more palatable than usual.

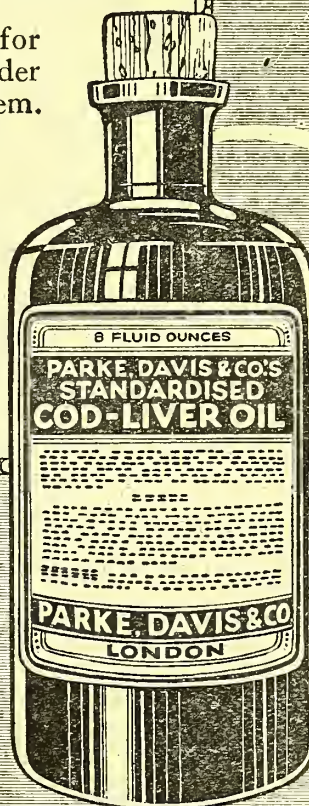
We have special terms available for chemists who are prepared to order a dozen bottles and display them.

	M.R.P. each	M.W.P. per doz. net
8 oz.	2/6	20/0
16 oz.	4/6	36/0

A
Selling Point

One teaspoonful of P., D. & Co. Standardised Cod-Liver Oil is equivalent in vitamin A content to 1 lb. of butter, or 11 pints of milk, or 9 fresh eggs.

*Send
for
Terms*



PARKE, DAVIS & CO. LONDON.

“Edme”

Malt Extract with Cod Liver Oil

Guaranteed pure and free
from Preservatives

Manufactured
from Selected
Barley Malt
and the Finest
Norwegian
Cod Liver Oil

Works:
Mistley, Essex.

Write for quotation and sample

Edme Ltd

122, Regent St,
London, W.1.

Telephone: Regent, 6719. Telegrams: “Edme, Piccy, London”

25 for 10½d.
50 for 1/6
P.A.T.A.

LYCO

Pure Culture
Yeast Tablets

Literature and Samples supplied on request by:

**STANDARD YEAST
CO., LTD.
LONDON
CHISWICK
W.4**

Guarantee

Our Lyco Yeast Tablets are
expressly guaranteed to contain
pure Culture Yeast only and
no addition of drugs or any
other ingredients is made in the
preparation of Lyco Yeast
Tablets.



Build up your Strength

Terms and full particulars on application to the Sole Manufacturers:

THE STANDARD YEAST CO., LTD.

Lamb Distillery

CHISWICK, LONDON, W.4

Telephone: CHISWICK 3370-71.

VITAMIN D

*Can NOW be easily
introduced into all
classes of :-*

**LIQUIDS, OILS,
FOODSTUFFS, &
PROPRIETARY ARTICLES**

by

The 'SCHEIDT' method of
**CONTROLLED
IRRADIATION
& ACTIVATION**

NO CHANGE IN ODOUR, TASTE OR
FLAVOUR.

All Enquiries and Demonstrations at

**The FOODSTUFFS IRRADIATION
CO., LTD.**

15 CAROLINE ST., BEDFORD SQUARE, LONDON, W.C.1

'Phone : Museum 0162.

PURE MALT EXTRACT

with *FINEST*

NORWEGIAN COD LIVER OIL

The Brand that does not separate nor crystallize.

Your own name and address on labels. In English jars, etc. Direct from the actual manufacturers.

THE BRITISH DIAMALT COMPANY
SAWBRIDGEWORTH - - - HERTS.

RIDGE'S FOOD

for Infants and Invalids

WELL ADVERTISED to the GENERAL PUBLIC.

SAMPLES, ADVERTISING MATTER and SPECIAL
DISPLAY TERMS ON APPLICATION TO:

ROYAL FOOD MILLS, LONDON, N.16

"YEAST FOR VITAMIN B."

Yeast specially prepared for medicinal purposes.

GUARANTEED ABSOLUTELY PURE.

MIDGLEY & PARKINSON, LTD.,
WARREN WORKS, PUDSEY, LEEDS.



CACHETS "FINOT"

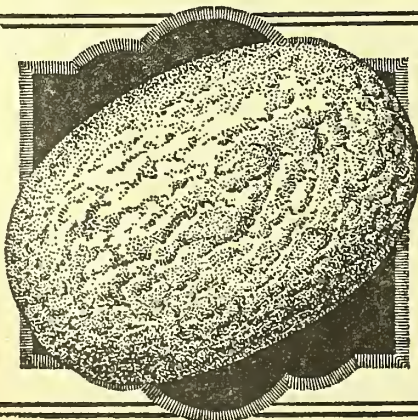
(White or Coloured)

With inscriptions in any desired tint; also Plain or Embossed.

"A distinction all their own."—C. & D.
"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.

COOPER SON & CO. LTD., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.



Two thirds
actual size

Bath Rusks

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

Made only by

CARR'S of Carlisle

The Oldest House in the Trade

Nature's Remedy for Lack of Sunshine — Cod Liver Oil



Cod Liver Oil abounds in natural vitamins. It is a natural not an artificial food.



For centuries it has supplied the remedy for lack of sunshine and lack of Vitamins A and D. Long experience has proved its value.



Vitamin A is essential to sound growth and the maintenance of health. Vitamin D has one purpose only — it prevents and cures rickets in children. It is essential to the formation of healthy bones.



Cod Liver Oil supplies Vitamins A and D in a *natural* food which is easy to absorb because of its high percentage of glyceryl esters of unsaturated fatty acids.

NORWEGIAN COD LIVER OIL

FABRIIUS, OSLO.

Petroleum Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.

22 Water Street
LIVERPOOL.

523 Salisbury Hse
Finsbury Circus
LONDON.

Deansgate Arcade
MANCHESTER.

Martineau Street
BIRMINGHAM.

Wellington
Chambers
LEEDS.



REGISTERED FOR OUR
WELL-KNOWN BRANDS
OF CERESINE WAXES.

CERESINE WAX

WHITE BLEACHED CARNAUBA WAX VARIOUS GRADES
AND RESIDUE

BEESWAX WHITE, YELLOW PARAFFIN WAX ALL MELTING
AND COMPOSITION POINTS

OZOKERITE WAX ALL
GRADES

POTH, HILLE & CO., LTD.,

6 Lloyd's Avenue, London, E.C.3. Works at
Stratford, E.

PETROLEUM JELLY

Best qualities Yellow and White B.P. Red Veterinary and Green.

GOUGH, KIDSTON & CO.

43/45 Gt. Tower Street, London, E.C.3

Tel. No.: Royal 2666 & 2667.
Tel. Add.: Kidstonism, Bilgate,
London.

Also GUM ARABIC and TRAGACANTH
BEESWAX and JAPAN WAX.

Works: Bermondsey.
Tel. No.: Hop. 2029.

PARAFFINUM LIQUIDUM B.P.

All Specific Gravities Guaranteed
to remain bright at 0°C

B.P. WHITE & YELLOW PETROLEUM JELLIES

WHITE & HALF WHITE OILS

W.B.DICK

& CO., LTD.

26 Grosvenor Gardens
LONDON, S.W.1

Telephone :
Sloane 3461 (7 lines).

Telegrams :
"Dicotto, Sowest, London."

And at
LIVERPOOL CARDIFF
NEWCASTLE

Q1D2



BY APPOINTMENT
TO HIS MAJESTY
THE KING.

SITORA REFINING CO. LTD.

Ask for
Quotations
and Samples.

OUR SPECIALITIES:

PARAFFINUM LIQUIDUM B.P.
TECHNICAL WHITE & HALF-WHITE OILS
COLOURED BRILLANTINE OILS

27 MINCING LANE, E.C.3

Royal 2944.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

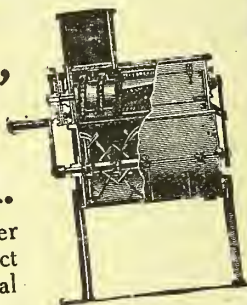
Carnwath Road, Fulham, London, S.W.6

Telephone: Putney 1153 and 1154.

WHO INVITE ENQUIRIES. Telegrams: "Batapo, Walgreen, London."

"RAPID"— but reliable.

GARDNERS Patent "RAPID" SIFTER and MIXER.



Gardners "Rapid" Sifter and Mixer will give a perfect blend. The special Internal Agitator ensures accurate sifting and mixing of the materials placed in the machine, irrespective of the diversity of their proportions; if necessary, $\frac{1}{2}$ oz. can be perfectly blended with hundredweights.

Write us for list of
Ball Mills, Disintegrators,
Millstones and
Mills, Drum Sieves,
Drying Machinery, etc.

Wm. GARDNER & Sons (Gloucester Ltd.)
Bristol Road Gloucester.

Tel. Gloucester 2288 (2 lines).

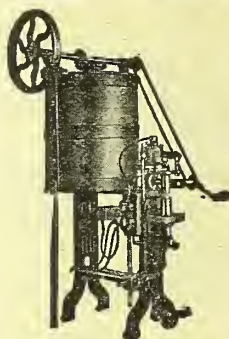
Grams.: Gardner, Gloucester.

Roberts' Original Patent BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From £5 5s. Hand-Operated Machines. From 36/.

Soundly constructed, simple in action, easy to clean.

NEW PATENT SHALLOW TIN FILLING MACHINES.



"ROYAL"

Automatic CAN FILLING
MACHINES, MIXING
MACHINES, CORKING
MACHINES.

NEW PATENT ACCESSORIES TO "NELSON," "VICTOR" and "NAVY" BOTTLE FILLING MACHINES enable them to be used as Vacuum Fillers, Gravity Fillers or Pressure Fillers at will.

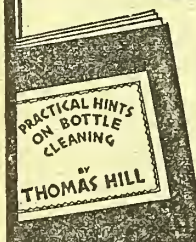
WRITE TO-DAY TO

ROBERTS' PATENT FILLING MACHINE CO.

33 Roundcroft Street, BOLTON, LANCs.

All rights reserved.

IF YOU ARE INTERESTED IN CLEANER BOTTLES —you should get this New Book.



An entirely new work, based on 50 years' practical experience of bottle cleaning. Containing some invaluable information on modern Bottle cleaning practice, it should be in the hands of all interested in securing scientifically clean and sterilized bottles and jars at the lowest possible cost.

Send to-day—free to all executive members of the Trade.

THE THOMAS HILL
ENGINEERING CO. (HULL), LTD.
247/249 BEVERLEY ROAD, HULL.

X Sale Tickets Posters & Slips

Send for our
fully illustrated List
No. CD/1100 in colours
free on mention of the
"Chemist and Druggist."

DUDLEY & COMPANY, LTD
451 HOLLOWAY ROAD, LONDON, N.

City Showrooms: 65-66 Fore Street, E.C.2



GIANT
RE-TREAD

How to Reduce your Transport Costs

Instead of scrapping your worn tyres send them to us for re-treading and get New Tyre Mileage for half the cost.

Giant Pneumatics re-treaded by us give up to 20,000 miles on rear wheels of heavy and fast buses. You can rely upon your tyres after treatment being equally satisfactory on your Lorry or Van.

We guarantee all work and stand by that guarantee.

Write for particulars.

Ondura Tyre Works, Bradford Road, Keighley.

'Phone 2527.



CAR AND
COMMERCIAL

PETROLEUM JELLIESWHITE, LEMON, YELLOW, AMBER,
RED, GREEN.**WHITE & COLOURED OILS**

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

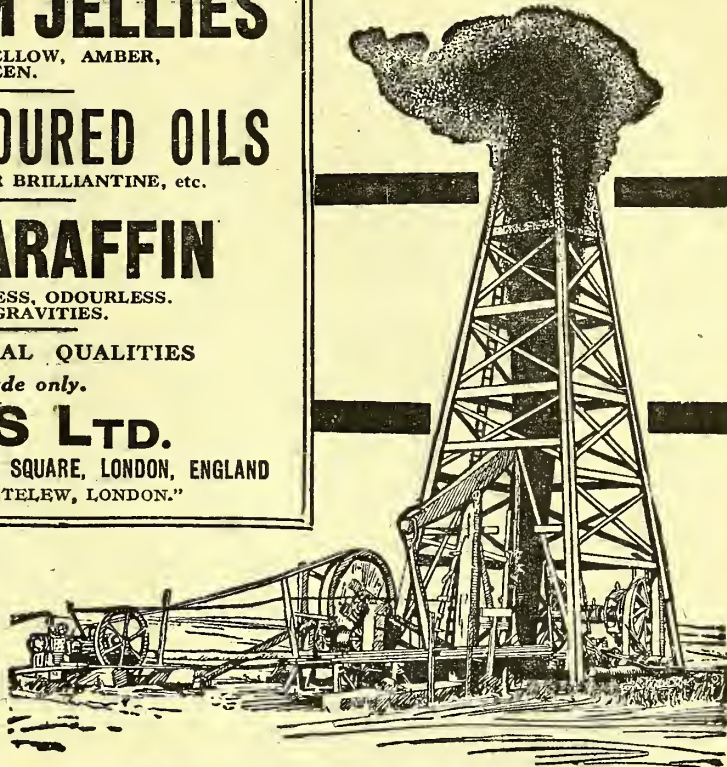
LIQUID PARAFFINCOLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES

*Wholesale Trade only.***STERNS LTD.**

ROYAL LONDON HOUSE, FINSBURY SQUARE, LONDON, ENGLAND


Telegrams: "CENTUMVIR, TELEW, LONDON."

Telephones:
HOLBORN 4695.
13 LINESTelegrams:
FORSHAPCO.
HOLB.
LONDON.
**FORD
SHAPLAND
& CO. LTD.**
**LABEL &
GENERAL
PRINTERS**
FINE ART SHOWCARDS, CARTONS,
ENVELOPES FOR SHAMPOO POWDERS,
CORN SILK, ETC.*"Sol-Vo" Sanitary Paper
in Rolls & Packets.*AGENTS FOR THE REGISTRATION
OF TRADE MARKS.
**GT. TURNSTILE
HIGH HOLBORN
LONDON, W.C.1**
PETROLEUM JELLY("SALVO PETROLIA")
BRANDTHE PERFECTION OF PETROLEUM JELLY
MANUFACTURED SOLELY BY**THE DEE OIL CO. LD.****D 23 & 24 EXCHANGE BUILDINGS
LIVERPOOL**TELEPHONE:
CENTRAL 3859TELEGRAMS:
CESTRIAN

LONDON OFFICE

11 POULTRY, CHEAPSIDE, E.C.2. PHONE: CITY 8455

**PACKED IN BARRELS, KEGS OR
SMALLER PACKAGES IF DESIRED.**OTHER GRADES OF
PETROLEUM JELLIES, WHITE BASES ETC.
WHITE OILS B.P. & Technical Qualities
SAMPLES & PRICES ON APPLICATION**OLEUM DEELINÆ (DEE OIL)
THE UNFAILING CURE FOR ECZEMA**



**ROBINSON'S of
CHESTERFIELD
for
CARDBOARD
BOXES**

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON




"SAMPLING" BOXES

Illustrated above are a few of our "Sampling" Boxes.

These little boxes are very neat indeed and are fitted with self-sealing lid which can be supplied either in the dredger type or plain.

Send for samples and prices.

ROBINSON & SONS, Ltd.
Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES,
CHESTERFIELD



Ask for "PAZO"
PILL BOXES
The most convenient and
secure Pill Box obtainable.
NO LOOSE BOTTOMS
Samples and Prices on application
The "PAZO" CO., Oldbury

Sherley's Advertising brings you more sales!

Sherley's Dog and Cat Medicines are the most vigorously advertised in the National and Canine Press. Every dog or cat owner in your district knows about them. Ensure their regular custom by stocking and displaying

SHERLEY'S
DOG AND CAT MEDICINES
LACTOL, LACTOL BISCUITS, ETC.

Good selling lines (P.A.T.A.) showing excellent profits. Shop-soiled goods exchanged. Don't let this splendid opportunity go by—stock up with Sherley's products, now!

A. F. SHERLEY & Co. Ltd.,
18, Marshalsea Road, London, S.E.1.

Write for
prices and
terms, and ask
for our show-
cards, liter-
ature, cut-outs,
etc., **FREE!**

C.F.H. 24

The dog Medicine with the
largest sale in the world is

BOB MARTIN'S TASTELESS CONDITION POWDERS

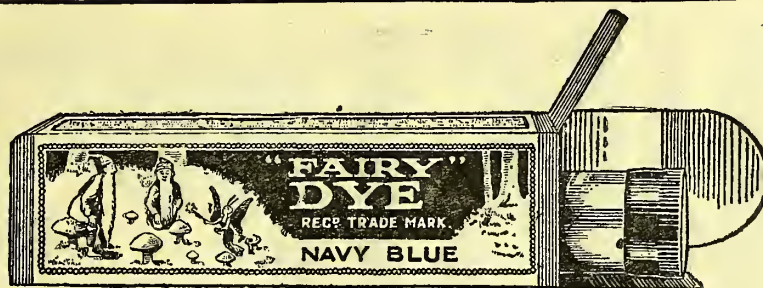


For 19/6 you can obtain a good range of Bob Martin preparations, including the tasteless Condition Powders, Worm Tablets, Worm Powders, Distemper Powders and '02 Ointment. The retail value of this stock is thirty shillings. Order either from your Wholesale House or direct from—**Bob Martin, Ltd., Southport, Lancs.**

WE SPECIALISE IN
OVERALLS
FOR
CHEMISTS, DOCTORS, DENTISTS,
AND ALL KNOWN TRADES
AND PROFESSIONS.

Brewsters
53 and 55
BYROM STREET, LIVERPOOL.
SEND FOR CATALOGUE, POST FREE.





FAIRY DYES

Mean Greater Turnover for You—and Absolute Satisfaction for Your Customers.

THERE is no more attractive line on the market to-day—there is no better seller—and no article has made larger strides in popular favour.

FAIRY DYES

are now sold in glass tubes, encased in smart, clean-looking "safety-first" cartons. They are retailed at 2d. each, made in 25 popular shades and colours, and are extensively advertised in the right publications.

You can rely upon Fairy Dyes—for prompt delivery in any quantities—for fresh stocks—for quick, easy-to-handle, clean turn over, and as tried favourites your customers are always satisfied. See that you are supplied without delay.

For Trade Terms and particulars write to

FAIRY DYES, LTD. 61 WELL ROAD,
GLASGOW.

London Depot - - - - 292 UPPER STREET, ISLINGTON, N.1.

MANY SUCCESSES IN THE EXAMINATIONS
Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

C.A. SCURR, M.P.S., F.S.M.C., F.B.O.A., F.N.A.O., B.Sc., F.I.O., F.C.O.
50 HIGH STREET, BARNET, LONDON, N.
S.A. Representative: E.E.G. WOOLLEY, F.S.M.C., M.P.S., P.O. Box 1953,
Durban.
N.Z. Representative: R. C. AITCHISON, Box 158 PALMERSTON, North.

WESTMINSTER COLLEGE OF PHARMACY.

WILLS' UNIVERSAL POSTAL SYSTEM

FEES (GT. BRITAIN & N. IRELAND)

PRELIMINARY SCIENTIFIC COURSE	- £1 10
QUALIFYING COURSE	- £1 10
COMBINED COURSE	- £1 11 6
APOTHECARIES' HALL COURSE	- £1 11 6

POSTAL COURSE PROSPECTUS POST FREE
from The Secretary,

190 CLAPHAM ROAD, S.W.9.

LONDON COLLEGE of PHARMACY

(FOUNDED BY H. WOOTTON, B.Sc.)

C. W. GOSLING, Ph.C.

Principal—W. F. GULLIVER, Ph.C.

COURSES OF INSTRUCTION PROVIDED FOR

MINOR EXAMINATION

DAY, EVENING AND PART-TIME CLASSES

The Lent term commenced JANUARY 9th, 1929

Apply— **THE SECRETARY,**
361 CLAPHAM ROAD - - LONDON, S.W.9

THE SOUTH OF ENGLAND COLLEGE OF PHARMACY

186 CLAPHAM RD., LONDON, S.W.9

Principal: H. LUCAS, Ph.C., F.C.S.,
assisted by a fully qualified and competent staff.

THE SCHOOL FOR SUCCESS.

During the year 1928 (January—October) 143 students have passed their examinations from this College. Part I, 66; Part II, 76; Major, 1.

REVISION COURSES start early in January and April, and in August.

NEW COURSES started early in October. 6 months, Part I; 9 months, Part II. Fees: 20 guineas & 30 guineas respectively.

For all particulars apply The Principal.

CHESTNUTS

ARE
ALWAYS
MOVING!

There is nothing remarkable about the selling power of these tablets. They sell on sheer merit. The handsome pack and show-material undoubtedly contribute to their popularity. But it is the efficacy and strength which are the main factors. For many years now the Pharmacist has cleared definite and generous profits on this line. See that you are sharing in the money CHESTNUTS are making all over the British Isles.

PER LB.

2/- 7 LB. LOTS
1/11 14 LB. LOTS
1/10 28 LB. LOTS
1/9 56 LB. LOTS
1/8 112 LB. LOTS

✦
Magnificent
Show Matter
✦

OTHER SPECIALITIES:

Solid Iodine
per 9/- dozen

Nazalgene
per 6/6 dozen

Dog Pills
from 2/9 per doz.

Moruettes

COD LIVER OIL TABLETS

24's
per 7/- dozen

72's
per 15/- dozen

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

JANUARY 12, 1929.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let, Goods for Sale and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d.

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d.

Legal Notices, Tenders, Auctions, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column).

Miscellaneous (Wholesalers') Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less.

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-.

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

PAYMENT.

All Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines).

Telegram: "Chemicus, Cannon, London" (2 words).

CLOSING FOR PRESS.

MUST REACH US
NOT LATER THAN

FIRST POST THURSDAY MORNING.

ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, N.—General Retail and Dispensing Business; returns £1,600 per annum at usual prices; good living accommodation; long lease; stock and fixtures estimated at £1,000; price £1,350.

2.—LONDON, W. (Suburban).—General Retail Business, with Kodak Agency and N.H.I.; established 25 years; returns about £1,900 per annum; gross profit one-third; double-fronted shop, well fitted and stocked; rent £60; sub-let £65; held on lease; price £1,150.

3.—LONDON, S.W.—General Retail and Dispensing Business, with large N.H.I.; established many years; returns approach £1,600; net profit above the average; good house; rent £30; held on lease; valuation terms entertained.

4.—LONDON, S.E.—Retail and Prescribing Business; established many years; returns for December £130; lock-up shop, with parlour; rent 15s. weekly; held on lease; price £550.

5.—WESTERN SUBURB.—Newly-established Business; capable of returning between £20 and £30 weekly; lock-up shop; rent £75; 13½ years' lease; price £400.

6.—LONDON, W.—Working-class Business, with Kodak Agency; returns last year £1,287, with net profit above the average; stock and fixtures estimated at £450; lock-up shop; rent £52; held on lease; price to be agreed.

7.—SURREY.—Manufacturing Chemists' Business for disposal; very much neglected; returns, present rate, £2,000 per annum; scope for considerable improvement; stock and plant estimated to be worth £3,500; we are under the impression an offer of £2,000 would receive consideration.

8.—SOUTH COAST.—General Retail and Photographic Business; returns about £3,400; net profit approaching £800; attractive pharmacy, very well fitted and stocked; good house; terms, goodwill £1,000, stock and fixtures at valuation; freehold must also be purchased, for which a further £2,250 is required.

9.—ESSEX.—General Retail Business, with Kodak Agency; returns, under management, about £2,000 per annum; good living accommodation; new lease will be granted; terms, valuation of stock and fixtures and sum for goodwill to be agreed.

10.—WEST OF ENGLAND.—Country Retail, with Kodak Agency, established 1820; returns, last year, £1,531; net profit £400; scope for large increase; double-fronted shop, well fitted and stocked; good living accommodation; rent £40 per annum; rates £26; terms, valuation of stock and fixtures, and a sum for goodwill to be agreed.

11.—SOUTHERN HEALTH RESORT.—General Retail and Dispensing Business, with Kodak Agency; increasing turnover, last year being £1,700; ample living accommodation; held on agreement, with option of lease; rent £115; price £1,250.

12.—SOMERSET (Coast).—General Retail Business, with Optical connection; returns, last year, £2,047; net profit £522; double-fronted corner shop, fairly fitted and very well stocked; good living accommodation; rent £95 per annum; new lease; price £1,500.

13.—SOUTH-EAST COAST.—Drug Store for disposal; returns over £2,000, with scope for increase; there are two shops; rent £110; living accommodation; held on lease; offers invited.

14.—LONDON, W.—Toilet and Photographic Kiosk; returns, last year, £700; stock and fixtures worth £180; rent £50; price £275.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Manfg. Chemists, Ltd.

Business Agency, Transfer & Valuation Department

Head Offices—Kimberley House, Holborn Viaduct, London,
E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Accountant and Valuer. Phone: City 1261-2-3

BUSINESSES FOR DISPOSAL

1.—STAFFS.—Established Chemist's Business; situated on main road; unopposed in Photo and Optics; returns £24 p.w., scope for increase; lease can be arranged; rent £65 p.a.; price asked, lease and goodwill, £150, fixtures and fittings £150, and stock approx. £450. Full particulars on application. (179.)

2.—LONDON, S.E.—Recently established Drug Stores, held on lease 14 years at £55 p.a., rising to £60 p.a. for last 7 years; premises consist of large lock-up shop with room at rear; returns average £12 per week; great scope for qualified man and N.H.I.; no reasonable offer refused. (181)

3.—MANCHESTER (District).—Old-established Dispensing Chemist Business in good-class suburb on a yearly tenancy at £120 p.a.; let off £117; returns average £27 per week, all cash; excellent opportunity as quick sale is desired; good reasons. (172)

4.—DURHAM CO.—Chemist Business for immediate disposal; lease can be arranged at £30 p.a. rent; takings £17; Kodak and Ucal Agencies; good living accommodation. (174)

5.—STAFFS DISTRICT.—Excellent opportunity for qualified man. Drug and Photographic Store on lease 5 years to run at £40 p.a.; returns £10 per week; could be easily trebled; good living accommodation; full particulars on application. (169)

6.—HULL.—Dispensing and Family Chemist Business in busy thoroughfare (which will shortly become a main road owing to alterations); rent £26 on a yearly tenancy, which can be secured; returns £900 p.a.; lock-up shop; good prospects for a young qualified man. Further particulars on application. (170)

7.—SOMERSET.—Drug and Photographic Business; premises, which consist of lock-up shop with room at rear, held on lease with 8 years to run at rental of £88 p.a. inclusive; good scope for live man; price asked £400. (178.)

8.—LONDON, S.W.—Very old-established Family Retail and Dispensing Business, occupying prominent corner position in busy thoroughfare; lock-up shop with storage accommodation; held on advantageous lease at £100 per annum; returns approximately £2,300 per annum; can be increased under personal management. Full particulars on application. (148)

9.—LONDON, N.—Old-established Retail Dispensing Cash Pharmacy, with N.H.I.; well fitted and good stock carried; premises, which consist of nice pharmacy, dispensary and six rooms, to be disposed of freehold at £1,250; returns average approximately £24 per week; can be increased with capital; no reasonable offer refused. (182)

10.—LONDON, N.W.—Retail Dispensing Business on 13 years' lease at £52 per annum inclusive; returns £1,000 p.a.; excellent opportunity for young qualified man. Further particulars on application. (185)

11.—SOUTHEND-ON-SEA.—For immediate disposal, Chemist's Business, in busy centre; premises consist of lock-up shop, with Dispensing and storage room; rent £200 per annum, progressive; returns average £1,500, could be increased. Full particulars on application. (175)

12.—WANTED.—Two Chemists' Businesses in or near London; net profits not less than £1,000 per annum. All communications treated with strictest confidence.

13.—CARMARTHENSHIRE.—Old-established Chemist's Business situated in good position on main street, with living accommodation; held on lease for 7-14 years; rent £400 p.a.; returns average £35-£40; could be increased; stock approx. £8-900. Further particulars on application. (176)

14.—LANCS.—Old-established Chemist's Business, with Wine Licence; premises consist of shop and dwelling-house; property for sale, £1,000. Full particulars on application. (177)

15.—LONDON, N.—Established Chemist's Business; premises, which include convenient living accommodation, held on lease, 15 years to run; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application. (180)

16.—LONDON, S.E.—Old-established Dispensing and Family Business; in good position; returns average £20 per week; well-fitted shop; good scope for young and energetic chemist; price, all at £550. Full particulars on application. (184)

17.—LONDON, S.E.—Well-situated Drug Stores; premises held on lease, with 17 years to run, at rental of £68 per annum; let off £91; returns average £25 to £30 per week; good opening for N.H.I.; growing district; fullest particulars on application. (185)

Stocktaking and Valuation of Businesses undertaken at moderate, inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

ERNEST J. GEORGE Chemists' Valuer

Invites enquiries relative to the following, which have been carefully investigated.

26.—LONDON, E.—Main road position, doing £990 p.a.; N.H.I., Kodak Agency, good Prescribing; living accommodation; price £650, a.a.; premises must be bought (£1,000).

25.—LONDON, W.—Excellent opportunity for unqualified man to acquire unopposed Business doing £700 (with Kodak Agency); price £275.

24.—FURNESS DISTRICT.—Good opening for qualified man to acquire good Business, capable of considerable increase, for value of stock and fittings only (about £500); shop, cellars and house; lease given (£1 per week), or property can be bought for £750.

23.—LONDON, S.W.—Old-established Family and Dispensing Business, with Photo and Optics, also N.H.I.; well-fitted and stocked Pharmacy; good house, garden, side entrance, etc.; price £1,200 (optical stock and equipment extra, and optional).

22.—MIDLANDS.—Excellent opportunity for young qualified man; Drug Store in growing district; population 4,000-5,000; no opposition; well fitted and stocked; good living accommodation and lease; rent 17s. 6d. weekly; present turnover £750; audited accounts; doctors and nursing home near; good prospects for N.H.I.; live Kodak Agency; qualified man could considerably increase; stock and fittings about £300; total ingoing for quick sale, £500.

21.—BERKSHIRE.—Unopposed position, with scope for Pharmacist; good house and well-equipped pharmacy; price of freehold, including new fixtures, £1,600; stock (about £300) at valuation.

19.—Special offer of Wholesale Druggist's Business in provinces; turnover about £10,000; good net profits; capable of much expansion; inquiries invited.

18.—CHESHIRE.—Small Family Business; immediate living for young pharmacist; present turnover £900; can be increased; favourable lease, 20 years to run; rental £32, rising to £58; no living accommodation; stock and fixtures about £1,100; goodwill to be arranged.

16.—LANCASHIRE COAST.—Turnover, about £1,900; profit £450; stock and fixtures, estimated £1,000; total ingoing £1,500; Kodak Agency; lease can be arranged.

15.—NORTH STAFFS.—Family and Dispensing, with Optics and Photography; N.H.I. average 750 scripts per month; turnover, approximately £1,300; profit about £550; price £800; premises can be bought or leased; rent 25s. weekly; living accommodation

14.—YORKS.—Small Business in suburb, doing £1,000; rent £52; sub-let 14s. per week; good opening for Optics, Dentistry; price £350.

13.—DERBYSHIRE.—Old-established Business, doing £40 per week; N.H.I., Photo; good house; excellent opportunity for Optics; rent £50 per annum; price £1,400.

12.—HANTS.—Double-fronted shop in centre of market town, doing £2,000; rent £100; sub-let £65; N.H.I., Photo; price £1,600.

11.—LONDON, N.W.—Family and Dispensing, N.H.I., Photo; turnover £1,200; rent £140; sub-lets £105; price £450 (stock and fixtures at valuation).

8.—LONDON, N.—Old-established Business, doing £1,572, under management; net £267; lease 9 years (renewable); rent £75; N.H.I., Photo; balance-sheets available; price £1,250.

6.—LONDON, E.—Unopposed position; population 14,000; N.H.I., Kodak Agency, also big Prescribing; capable of considerable increase; turnover £1,517; profit £203; rent £60 per annum; sub-let £52 10s. per annum; price £1,000.

5.—LONDON, W.—Good Retail, in main road, with scope; N.H.I., Photo; turnover £1,770; rent £250; lease 18½ years; two flats over, let off; price £1,350.

4.—LONDON, W.—Family and Dispensing, in busy district; Kodak, Rexall and Optics; well fitted and stocked; flat above; turnover £2,080; lease 18 years; rent £200; lease and fixtures £1,300; stock at valuation.

STOCKS, ETC., VALUED FOR ALL PURPOSES

7 Southampton Row, London, W.C.1

Tel.: Holborn 8158.

3 St. Paul's Close, Walsall.

Tel. 774 and 1000

BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS.

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

1.—ESSEX (25 miles out).—Profitable Cash Retail with Branch, returning about £2,000; gross profits £800; audited figures; scope for increase; growing district; fully stocked; price £1,000, or valuation terms arranged.

2.—SOUTHERN COUNTY.—Good-class Business, with Kodak Agency; returns £25 weekly; excellent prospects; good position; low rent; house available; price £900.

3.—SOUTHAMPTON (Near).—Progressive Cash Retail, in rapidly growing district; returns over £1,900; audited books; good stock; well-fitted pharmacy, with convenient house; price to be arranged.

4.—YORKSHIRE COAST.—Light Retail Dispensing and Photographic, in popular resort; returns £2,350; excellent stock; good house and pharmacy; price £1,850.

5.—DERBYSHIRE.—Profitable Light Retail, in unique position of busy market town; returns £40 weekly; low expenses; large house, garage and garden; fully stocked; price £1,400.

6.—SOUTH COAST.—Good-class Retail and Photographic Business, with exceptional sale of own specialities; returns, under manager, £1,450; plenty of scope; central position; handsomely-fitted pharmacy and good stock; price £1,050.

7.—SOMERSET.—Unopposed Village Business; delightfully situated near sea; turnover about £600, under manager; low expenses; on lease; lock-up shop; offers invited.

8.—CORNWALL.—Light Retail Dispensing, with Kodak Agency; in busy market town; returns £1,200; net profit £350; large house and pharmacy; good stock; price £600.

9.—SURREY (Growing Suburb).—Good-class Drug Store, returning about £1,000; plenty of scope; no near opposition; modern shop, well-fitted and stocked; new house; low rent; price £750; illness necessitates early sale.

10.—LONDON, S.W.—Light Cash Retail, with N.H.I.; main road position; returns, under manager, £2,000; net profit £458, clear; good stock; price £1,150; personally recommended.

STOCKTAKING VALUATIONS.

We are now booking dates for January and February, and invite early application. Terms on application.

Estab. 1870.

Telephone: Terminus 3574.

CHARLES C. MARSDEN Valuer, Transfer Agent & Stocktaker
44 SHOLEBROKE VIEW, LEEDS.

STOCKTAKING VALUATIONS AT SPECIAL REDUCED TERMS
Chemist's own stock sheets priced out at low rates.

Recommended and approved by Messrs. Goodall, Backhouse & Co., Hirst, Brooke & Hirst, Ltd., & Raimes & Co.
Agent for the GREENWATT PLANE, 3/6 each, post 3d.

BUSINESSES FOR DISPOSAL.

ARDWICK (Manchester).—Chemist's Business to be Sold, situate in thickly populated district; small but well-equipped shop, with large store room above; for sale as a going concern, to include stock and fixtures, etc.; price £450; long lease at moderate rent. Further information from Duncan B. Gray & Partners, Westminster Bank Chambers, Lord Street, Southport.

EAST LANCASHIRE.—Branch Business; splendid opportunity for young qualified; opened June, 1927; sickness only reason for disposal; returns increasing; good stock and fixtures; working-class district, near four doctors; N.H.I. average over 500 monthly; low rental; accept low price for quick sale. Full particulars from 115/36, Office of this Paper.

LANCS town; main road; Optics, Wine Licence, Photo; N.H.I. 350 monthly; returns £1,500; lease; old established; heavily stocked; well fitted; offers invited. 140/891, Office of this Paper.

LONDON, NORTH.—Chemist's Business for disposal, with N.H.I., £300; stock at value. For particulars inquire 71 Church Street, Shoreditch, E.2, or 'phone Bishopsgate 5214.

LONDON, S.E..—Business for Sale; turnover £1,000; Panel 4,000; in rapidly-growing district; prospects of very big business in near future; handsomely-fitted shop, on main thoroughfare; satisfactory reasons for disposal. 115/6, Office of this Paper.

LONDON, W.—Drug Store; lock-up shop; inclusive rent only 20s. weekly; very dense working-class locality; small profitable sales; very few patents; huge N.H.I. could be done; price, £120 all at; splendid chance for chemist with small capital. Particulars, stamped envelope, 115/34, Office of this Paper.

LONDON, S.W.6.—Recently-established General Retail; good profits, doing £16 weekly; living accommodation or lock-up; big scope; neglected through illness; price £300, or offer; must be sold. 116/16, Office of this Paper.

LONDON.—Growing Chemist Business, Northern suburb; lock-up; good lease; moderate rent; doing £22 per week, increasing; good scope; £300, and stock at valuation, about £250. 117/6, Office of this Paper.

MANCHESTER.—Good steady Retail and Dispensing Business for Sale in thickly populated district; a steady increase last three years; over 600 scripts last month; house attached; would suit couple; property also for sale; mortgage could be arranged on property; price £650, or all at £1,300. Apply 115/11, Office of this Paper.

MIDDLESBROUGH.—Very old-established Chemist's Business; good central position; large lock-up shop, stock rooms, basement, yard and garage (garage could be let off); stock and fixtures at valuation; favourable lease arranged; fullest investigations; death cause of sale. Apply Mrs. A. Lee, 52 Southfield Road, Middlesbrough.

N. DEVON.—General Retail Business, with Kodak Agency and N.H.I., also Wines and Spirits; returns £3,000; gross profit about £750; large house attached, also adjoining house and shop sub-let £47 per annum; property freehold; price of business and property £5,000. 116/14, Office of this Paper.

NEAR Portsmouth, in working-class district. Business for disposal; family trade, small panel, and Kodak; turnover over £1,100, increasing; very profitable; lease of shop and small house; rent and rates £44 per annum; fitted gas and electric; side door; owner buying larger business; price £650, or near offer. Apply 117/9, Office of this Paper.

NEAR MIDDLESBROUGH.—Old-established Pharmacy in populous district; N.H.I. and Kodak Agency; good reasons for disposal; returns for last three years average £1,817, at good profit; roomy premises, with house above let off; well stocked and fitted; price £1,300; premises (freehold) £1,000, or suggestions entertained. 116/38, Office of this Paper.

NORTHUMBERLAND.—Modern Drug Store; must be sold for family reasons (first deposit £70 secured); healthy country district (Tyne); opportunity M.P.S. to secure an unopposed opening; returns 3 years, £680, £862, £953; Kodak; single-fronted, lock-up shop; low rent; good stock; price £225; stock at valuation, or to suit purchaser if necessary. 112/14, Office of this Paper.

PEAK DISTRICT.—Established good-class Chemist's Business, returning £1,600 yearly; very profitable trade; well fitted; heavily stocked; easy rent; lease; vendor retiring; price £1,250, about. Other excellent first hand offers, Lancashire generally, £200/£3,000. Particulars bona-fide clients only. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsworth 113.)

SOUTHEAST-ON-SEA.—£500 or nearest offer secures genuine Chemist's Business; main road position; house attached; established 2 years; moderate rent; takings £20; summer double; increasing; Kodak Agency; N.H.I.; sound living; every investigation; reason for disposal, owner going abroad. 112/38, Office of this Paper.

SOUTH WALES.—Promising Business for Sale; good position; lock-up shop; low rent; well stocked and fitted. For further particulars write, giving banker's reference, 140/887, Office of this Paper.

SOUTH WALES (mining town, pits working).—Old-established Chemist's Business; returns last year £1,440, including N.H.I.; has done over £50 per week (accountant's figures); scope for increase; Photography neglected; Optics untouched; excellent opportunity for energetic young chemist; good stock and fixtures; living accommodation; rent, plus rates, less than £100 per annum; price £750, inclusive; an absolute bargain; sound reasons for selling; only applications accompanying banker's reference considered. 115/39, Office of this Paper.

WEST OF ENGLAND.—Sound, unopposed Light country Retail, with good Photographic connection; returns £1,200; net profit £350; good house; long garden; smart, well-equipped pharmacy; excellent stock; electric light throughout; every investigation; price £800. Apply to sole agents, Berdoe & Fish, Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

WILTSHIRE.—Sound Country Dispensing and Photographic Business for Sale; N.H.I. and Kodak Agency; established 3 years; turnover £1,200 (increasing); good profits; clean and up-to-date stock; well fixtured; no opposition; nice house; large store room and large garden; also Cottage, sub-let 4s. per week; rental £52 per annum; good reasons for disposal; price £800, or near offer. Full particulars, 140/890, Office of this Paper.

BEAUTY Specialists and Toilet Accessory Business for Sale; going concern, with stock worth £700 at manufacturers' cost; wholesale and mail order; wonderful money-making opportunity; all formulae tested; beautifully designed packings; limited company; registered trade mark; all at £500 for quick buyer; bankers' references required. Apply Morris, Vibert & Co., Advertising Agents, 5 Featherstone Buildings, High Holborn, W.C.1.

DRUG Store; Kodak; brilliant opening for N.H.I.; 1,200 patients opposite shop; nearest opposition 10 minutes; grossly neglected; shop often closed; owner independent; net profit last year £210, accountant's figures; new lease; rent and rates 50s.; upper part house sub-let 15s.; good repair; £650; no offers. Baldwin, 194 Trundley Road, Deptford.

GENUINE Chemist's Business, Sheffield; N.H.I.; Kodak; last 3 years' turnovers, £859 4s. 2d., £959 12s. 4d., £880 17s. 5d., all at good profits; stock and fixtures £600, or near offer. 140/893, Office of this Paper.

LARGE manufacturing concern have developed an extensive connection in the marketing of an exclusive and distinctive selection of Perfume Atomizers, under their own registered seal, owing to other important interests, wish to dispose of this section of their business on exceptional terms. Write, Box 2, c/o Crossley & Co., Ltd., 5 Racquet Court, Fleet Street, London, E.C.4.

£300.—SMART little Branch, recently opened, main road, Lancashire city; thickly populated district; splendid scope; low rent and rates. 140/878, Office of this Paper.

BUSINESSES WANTED.

SHEFFIELD OR DISTRICT.—High-class Business required; turnover at least £2,000; cash available. Send particulars (in confidence) to "Accountant," 140/894, Office of this Paper.

MESSRS. BERDOE & FISH have a large number of genuine cash buyers seeking Businesses in all parts, up to £5,000. Private register kept, and sales are negotiated without any publicity. Correspondence cordially invited. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

SELL your Business quickly through a recognised Agent with a reputation second to none. I urgently require sound concerns anywhere; cash buyers waiting, £400/£4,000. Intending vendors contemplating a change or retirement should get in touch with me in first instance. Phone, write or call. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Telephone: Falsworth 113.)

WANTED, Drug Stores, Photographic Business, or Chemist, with living accommodation, in London or suburbs, preferably on main road, or would entertain vacant premises. Please send full particulars, rent, lease, turnover, in strictest confidence, and state lowest cash price. 113/19, Office of this Paper.

APPOINTMENTS.

APPLICATIONS are invited for the post of Secretary (whole time) to the Pharmacopœia Commission. Candidates must have a special knowledge of Chemistry, and should hold a pharmaceutical qualification. A medical qualification and knowledge of foreign languages will be regarded as additional recommendations. Proposed salary £500 per annum.

Applications should be sent to the undersigned as early as possible, marked "Secretaryship."

The Acting Secretary,
British Pharmacopœia Commission,
General Medical Council.

44 Hallam Street,
Portland Place, W.1.

LEGAL NOTICE.

ALL persons having any Claims against the Estate of the late Mr. Howell Morgan, Chemist, Medical Hall, Cardigan, are requested to send particulars in writing to the Executrix's Solicitors, Messrs. Morgan & Richardson, Cardigan.

PREMISES TO LET.

SHEFFIELD.—To Let, premises main road; pleasant suburb; thickly-populated district; been Drug and Photographic Stores 4 years; recently closed; splendid opportunity for qualified Chemist; rent £59 per annum; rates £13; lease if required; dark-room fittings include film and print dryer, etc.; also shop fittings; valuation £160. Poyser, College Street, Rotherham.

SHOPS with Flat over to Let on lease in excellent position at Bromley; suit Chemist. Apply Boster, Payne & Lepper, opposite G.P.O., Bromley, Kent.

SHOPS to Let, Brixton Road; shops about 17 ft. by 50 ft., with upper parts comprising 4 rooms, kitchen and bath; lease 21 years; rent £300 per annum; no premium. Apply Hillier, Parker, May & Rowden, 27 Maddox Street, W.1.

TO Let, House and Shop, nearing completion, in thickly populated newly-developed district; unopposed position; built suitable for Chemist; rent £150 a year (inclusive), repairing lease, or would let as lock-up, with store room; gas and water laid on; rent £90. 112/40, Office of this Paper.

AGENCIES.

AGENT, with representatives covering the whole of Scotland, calling on Chemists, Stores and Hairdressers, would like to handle additional proprietary lines; interview in London, 28th to the 31st. Apply 102/30, Office of this Paper.

AGENT, with representatives covering England (south of Yorkshire and Lancashire) calling on Chemists, Stores, etc., wants additional Proprietary line; large and valuable connection; pioneer work my speciality; Sole Agency or Sales Managership considered. 113/210, Office of this Paper. Will advertiser please send address to this office?

AGENT wanted by manufacturers of first-class fabric-made Rubber Hot-Water Bottles (British) for Yorkshire, Lincolnshire and part of Midlands; commission only; undoubted connection essential. State all particulars to 118/6, Office of this Paper.

OPPORTUNITY occurs in City of London for Agency and Representation, stocking and handling, with window display, for a Chemist's article of merit. Apply P.C.B. 82/36, Office of this Paper.

TO MANUFACTURERS.—Young qualified Chemist, with Wholesale and Retail experience, going to Australia early in February to open up business on own account, is willing to negotiate with proprietors of Patent Medicines, etc., to sell or manufacture their products; terms to be arranged. All replies treated in confidence. "Chemist," 91 Wentworth Road, Harborne, Birmingham.

TO Manufacturers of Creams for the Skin, Beauty Parlours, etc. A novel device for applying cream without soiling the hands. Arrangements for the Sole Agency can be made. Apply to Morelle, 55 Westbourne Grove, W.2.

PREMISES FOR DISPOSAL.

COMMODIOUS business premises adapted to tenants' requirements without expense; large and growing residential district of important city; main road, facing 'bus terminus; price freehold £2,750, or will let £156 first year; three entrances; good living accommodation; garage; excellent position, first-class Chemist. Apply Coughlin, Crichton House, Docks, Cardiff.

SITUATIONS OPEN.

RETAIL.

[HOME.]

BOURNEMOUTH.—Qualified lady required; permanency; Dispensing and Counter. Please give full particulars of age, experience, and salary required, with photo. 113/15, Office of this Paper.

BRISTOL.—Wanted, at once, Junior Assistant or Improver (male). Apply, by letter, giving age, experience, salary, etc., and enclose photo. Spracketts, Chemists, 5 Broad Quay.

BRISTOL.—Qualified Assistant required for Cash Retail and Photographic, with N.H.I.; good Salesman and Window-dresser. Please state experience, age, and salary, with recent photo if convenient, to 140/896, Office of this Paper.

BRISTOL DISPENSARY.—Wanted, Dispenser for Bedminster Branch of above institution; must be fully qualified and prepared to take appointment soon; salary £180 per annum; living accommodation provided over dispensary free of all taxes. Applications to be sent to H. Merrett, Stock, Albion Chambers, Bristol.

EAST MIDLANDS.—Assistant wanted; qualification not essential, but must be used to high-class Dispensing; aged from 25 to 35 years; good salary to good man; permanency; Photography, Light Retail; no panel work. 113/23, Office of this Paper.

LONDON, S.E.—Reliable, unqualified Assistant required; N.H.I. and Counter. Write, stating full particulars and salary required. Applications unanswered in four days declined with thanks. Apply D. Lewis, 94 Lower Marsh, London, S.E.1.

LONDON, S.W.—Manager, qualified, age about 35, with London experience; good middle-class business; must be used to N.H.I., Photo and quick Counter trade; good Window-dresser and business builder; permanency; living rooms over shop. Reply, stating age, experience, and salary required, "X," 112/35, Office of this Paper.

LONDON, S.W.—Required, immediately, Junior Assistant; one accustomed to N.H.I. work. Reply, giving full particulars, of experience, salary required, etc., "Statim," 113/3, Office of this Paper.

LONDON.—Wanted, at once, young Junior Assistant; must be quick and accurate worker and used to a good-class business. Particulars of age, experience, and salary required to H. F. Ferriss, M.P.S., 349 High Road, Lee Green, S.E.12.

LONDON, S.E.—Junior or Improver (male) wanted (outdoors) for Counter, Dispensing and Stock; brisk middle-class business. Applicants please state age, experience, and salary required to 116/7, Office of this Paper.

LONDON.—Qualified and unqualified Assistants for Store Chemists. Apply P.C.B. 83/8, Office of this Paper, giving full particulars of experience, age and wage required.

MIDLANDS.—Wanted, capable Assistant for Dispensing and Counter (outdoors); qualification not essential. Apply, with usual particulars, 116/18, Office of this Paper.

NEWPORT, MON.—Qualified Manager required for shop, with house attached; applicants must be thoroughly conversant with modern business methods, and be used to a busy Counter trade, including wines and spirits. Give full particulars of experience, and state age, salary required and when at liberty. 113/1, Office of this Paper.

SALFORD (Manchester).—Pharmacist (male) required as Assistant; permanency; good board and lodgings for 30s.; salary to commence £4 10s.; state age (not over 50 years), experience, etc. Replies not answered within a week respectfully declined. 112/20, Office of this Paper.

SOUTH STAFFS.—Capable qualified Manager required for a business in industrial area, with brisk Counter trade; applicants must be able to make good window displays and be thoroughly efficient. State age, salary required, previous experience, and when at liberty. 113/100, Office of this Paper.

A COMPETENT lady Dispenser and Book-keeper required for medical man in Westmorland; age 25. Applications, giving full particulars of education, training, and references, to be sent to H. J. Wade & Co., Ltd., Manufacturing Chemists, Blackburn.

ASSISTANT (young or Junior), male, for Light Retail, Dispensing and Photographic business. Please state full particulars, salary (outdoors), age, height, when at liberty, enclosing photo (to be returned). Lincoln, Chemist, Ely, Cambs.

ASSISTANT required at once, qualified preferred, for good-class country business; good Dispensing and Counter experience necessary. Send full particulars in first letter, please, to W. Minchin, M.P.S., 29 Westgate Street, Gloucester.

ASSISTANT; 25-30; qualification immaterial; tall; quick and accurate Dispenser and used to good-class Counter and Photographic. Send full particulars in first letter, enclosing photograph, stating salary required. Chater, Chemists, Watford.

BRANCH Manager, qualified, for Chemist's business in North-West London, doing Photographic and Optical trade; good opportunity for smart man; commission on turnover; living accommodation on business premises; state usual particulars and age, personal interview later. 115/18, Office of this Paper.

CAPABLE Assistant for good-class Retail and Dispensing; outdoors; qualification not essential. Cartledge, 10 Station Road, Parkstone.

CAPABLE young Assistant required. Apply by letter, with full particulars of experience, age, height, and salary required, to Parkes Chemists, Ltd., 65 Harwood Street, London, N.W.1.

IMMEDIATELY, qualified Assistant; splendid opening for young qualified man with energy and ability. Apply, state age, experience, salary required, and names for references, to Doncaster Co-operative Society, Ltd., 1 John Street, Doncaster; not later than January 15. Envelopes to be endorsed "Chemist."

IMPROVER, with good Dispensing and Counter experience, wanted at once. Give full particulars. E. W. Harber, Central Pharmacy, King's Heath, Birmingham.

LADY Assistant required for high-class Dispensing business; not necessarily qualified if experienced. Apply, stating age, height, experience, and salary required (indoors), B. Salter & Son, 34 Castle Street, Shrewsbury.

LADY Assistant; quick and accurate Dispenser; also help on Counter; temporary engagement for two or three months, possible permanency; urgent. Maurice Jones, M.P.S., 204 Church Road, Willesden, N.W.10.

LADY Pharmacists (two) required to manage two branch shops in Brighton; applicants must have had previous experience of management, good Saleswomen, and capable of running a business on up-to-date store lines. State experience, age, wage required, and when at liberty. Interview in London. P.C.B. 83/80, Office of this Paper.

MESSRS. COOPER, SON & CO., LTD., 24 Sloane Street, require immediately qualified Assistant (male); good Counter and Dispensing experience. Apply (by letter), stating salary required, "D. R."

QUALIFIED Manager wanted, of good appearance, well up in Photography, good Window-dresser, and thorough knowledge of Toilet and Perfumery goods. Apply, with two recent references, state salary required, and enclose photograph, Frank Edwards, 192 Cowbridge Road, Cardiff.

QUALIFIED Manager required for brisk good-class business; able to dress attractive windows. Apply, by letter, with full particulars, to Parkes Chemists, Ltd., 65 Harwood Street, London, N.W.1.

QUALIFIED Assistant wanted shortly for small branch; must be good Prescriber and Counterman, and have good recent references; easy post. Lester, Chemist, Canterbury.

REQUIRED, qualified Manager for important branch in Sheffield; Dispensing, Photography and high-class Pharmacy; house, with electric light, in good condition; applicants must be married, possess undeniable references, and ability, with good personality. Apply, with photo and full particulars, to Eardley & Furnival, 265 Glossop Road, Sheffield.

SMART young qualified Manager required, February, for North Kent town; preference to married man, with knowledge of Photography; must be quick, accurate, obliging Counterman. Splendid opportunity for right man. Send photo (returnable), with full particulars, to 105/39, Office of this Paper.

THOROUGHLY competent Pharmacist required end of January (or earlier) for permanency in brisk modern business; age 30 to 40; good appearance, address and education essential; able to supervise and direct staff, but other managerial experience not essential. Copies of references, photograph, height, and some indication of salary required are desirable with first application. G. Patrick, M.P.S., Patricks (Chemists), Ltd., Consett.

TWO Assistants, young, unqualified, smart appearance and good address; good-class business, easy reach London and Epping Forest; well trained in Dispensing and Counter work; pleasant manner absolutely essential. Applications unanswered within five days respectfully declined. Enclose no stamped envelope. State full experience and salary required. Matthews & Son, 722 High Road, Leytonstone, Essex.

UNQUALIFIED Junior wanted at once in good-class Dispensing business; must be used to Counter work and Stock-keeping. Please state full particulars. S. P. Sayers, 7 Brent Street, Hendon, N.W.4.

UNQUALIFIED gentleman required possessing keen personality and credentials which will bear the strictest investigation; age 20-25. Applicants should state fullest particulars in first letter and salary expected to Thompson's Pharmacy, English and Foreign Chemists, 91 Regent's Park Road, N.W.1.

WANTED, at once, a good, reliable Assistant, age about 30, capable of taking charge (qualified), or one with good all-round experience (unqualified). State salary and references. J. Gale, "West Deyne," Selsey, Sussex.

WANTED, young lady, qualified, for London district. Write, stating age and salary required, 113/25, Office of this Paper.

WHOLESALE.

SCOTLAND.—Wanted, Representative to carry Pills, Tablets and Packed Pharmaceuticals; a good business already in existence; all applicants must have a good connection and be Scotch by birth; splendid opportunity for the right man. Apply Arthur H. Cox & Co., Ltd., Brighton, Sussex.

ADVERTISING.—Capable man, with experience of Advertising and some knowledge of Pharmacy and Medicine, required for Advertising Department of London Wholesalers. Apply, in writing, with full particulars, including age and salary required, to 140/884, Office of this Paper.

COMMISSION REPRESENTATIVES.—Well-known Proprietary offer side line; 15% commission only; grounds open, East and South Coasts, West of England, Home Counties; small sample; big seller. 113/21, Office of this Paper. Will advertiser please send address to this office?

LADY or gentleman experienced in compounding perfumery and its presentation for sale. Please submit with application fullest particulars as to experience and capabilities. The Elfrida Perfumery Co., Rawdon, Leeds.

REPRESENTATIVE (London) required, with live connection amongst Chemists and Stores, to carry high-class French Proprietary Perfumes; expenses and good commission. Full details of experience and lines carried (in confidence), P.C.B. 82/38, Office of this Paper.

WANTED, at once, for Kent, Surrey, Sussex, and Hampshire, first-class Salesman, good connection essential, to sell high-class advertised Toilet Preparations; one other non-competitive line may be carried; expenses and liberal commission. 140/886, Office of this Paper.

WANTED, by Provincial Wholesale House, capable Laboratory Assistant (Manufacturing) about 25 to 30 years of age. State full particulars to "X. Y. Z.," 140/889, Office of this Paper.

WANTED, Representative by old-established Manufacturers of Proprietary lines selling to Chemists, Hairdressers; age not exceeding 35; previous travelling experience essential. Apply by letter, stating age, previous experience, district worked, and salary required. All replies treated in strict confidence. 140/888, Office of this Paper.

WANTED, high-class Salesmen, with London Chemist connection; salary up to £1,000 per annum to right men. Apply P.C.B. 81/14, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

INDIA.—Young men, single, not less than 27 years of age, possessing sound Pharmaceutical experience (qualification not essential) and wishing to go to India as Travelling Representatives for a well-known London firm of Manufacturing Chemists should furnish full particulars to 140/892, Office of this Paper.

MALAYA.—Wanted, fully qualified Dispensing Chemist, capable of managing department; age about 30; unmarried; gentlemanly appearance and address; good Salesman and Dispenser; 4 years' agreement; passages provided; salary £46 monthly, rising to £52; very healthy climate. Apply by letter, with full particulars of previous experience, to P.C.B. 82/39, Office of this Paper.

SITUATIONS WANTED.

RETAIL. [HOME.]

A.A.—EXPERIENCED Assistant; unqualified; Dispensing, Counter, Prescribing, Windows; energetic; trustworthy; moderate salary. Harries, 24 Kincaig Street, Cardiff.

A.A. AS Manager or Assistant; qualified; Scot; 26; West-End, Country and Suburban experience; excellent references; free January 26th. "Steve," 14 Milton Road, Wallington, Surrey.

A—LOCUM; qualified; long experience in all branches; active; excellent references; terms moderate; disengaged now. "S. C. I.," 54 Priory Road, West Hampstead, N.W.6. Phone: Hampstead 7151.

A MANAGER, 34, married, experienced all branches, desires progressive post; keen and active worker; excellent references; disengaged. "Pharmacist," 34 Albany Road, Manor Park, E.12.

A PHARMACEUTICAL Chemist of extensive experience of all branches requires part-time engagement; highest references; free. 115/27, Office of this Paper.

A YOUNG man desires situation as Counter Assistant and Window-dresser; South-West of England preferred. 115/4, Office of this Paper.

A DVERTISER, Senior, unqualified, 32, tall, first-class Salesman, present managing, seeks post with prospects; excellent testimonials; disengaged after fortnight's notice. 117/2, Office of this Paper.

A N experienced Manager or Senior; qualified; 37; disengaged; keen buyer; capable staff controller; good credentials; London preferred. Apply "Statim," 115/14, Office of this Paper.

A S Manager; thoroughly experienced all branches; keen Salesman; active and obliging. "Chemist," "Oakwood," Chelmsford Road, Vouth Woodford, E.18.

A SSISTANT, referred "Poison-Law," desires post in London. Apply E. Beynan, 50 Voltaire Road, Clapham, S.W.4.

A SSISTANT; 21; smart appearance; good-class Dispenser, capable Counterman; Part I; references. Taylor, 30 Crawford Street, Leeds.

A SSISTANT, Junior, unqualified, 19 years, desires situation; West-End Pharmacy preferred; tall; good appearance; willing; energetic; studying Part I. Spence, 18 Longley Road, Tooting. Phone: Streatham 5760.

A SSISTANT or Locum; 20 years, Dispensing and Counter; conscientious worker; London; unqualified. G. Fall, 105 Tottenham Lane, Hornsey, N.8.

A SSISTANT; unqualified; married; excellent experience; can manage; free at once; London, S.W., or near Kingston preferred; Locum, £3 10s.; or permanent, £3. Apply "R," 115/11, Office of this Paper.

A SSISTANT (Part I); 23; tall; good Dispensing and Counter experience; disengaged. Mr. H. Foster, 9 Berthwin Street, Cardiff.

A SSISTANT (Referred Pharmaceutical Chemistry); reliable Dispenser, smart Window, keen Salesman; excellent references; age 22½ years. Burden, 108 Eastfield Road, Portsmouth.

A SSISTANT, unqualified, 28, desires permanency; Lancashire or Yorkshire preferred; good all-round experience; would manage drug store. "M. J.," 13 Hangingroyd Lane, Hebden Bridge, Yorks.

A SSISTANT or Manager; experienced Dispenser and Counterman; single; active; mid-aged; unqualified. "Statim," c/o Mrs. Slatter, Alwynd, Hawkhurst, Kent.

A SSISTANT; unqualified; 24; 7 years' all-round experience, including West-End. 48a Hammersmith Bridge Road, W.6.

A SSISTANT; 19; tall and energetic; accurate Dispenser and experienced Counter and Photographic; disengaged. J. Greer, 67 Greenfield Road, St. Helens.

A SSISTANT Manager or Locum; highest reference from every employer; successful in increasing returns; unqualified. "F.," 43 Quernmore Road, N.4.

A SSISTANT; 22; reliable; excellent experience in Dispensing, Counter, etc.; accustomed to high-class Pharmacy. Maurice, Blaendare Road, Pontypool.

A SSISTANT, unqualified, age 37, thoroughly experienced all branches, requires berth where living accommodation provided; London district or South; 6 years present situation as senior in busy pharmacy. 115/58, Office of this Paper.

A SSISTANT; middle-age; unqualified; outdoor; smart, courteous, obliging, gentlemanly; 7 years present berth; disengaged in fortnight; seeking permanency. 116/5, Office of this Paper.

A SSISTANT; thoroughly competent all branches; accustomed to sole management; reliable and trustworthy; salary £3 10s. weekly. 116/19, Office of this Paper.

A SSISTANT, 19, accustomed high-class Dispensing business, requires post; 5 ft. 8 in.; good references. 116/23, Office of this Paper.

A SSISTANT or Dispenser (lady) desires post with Doctor or Chemist; thoroughly experienced and reliable; free February 3. 116/22, Office of this Paper.

A T liberty, qualified, experienced Locum (or permanency London); middle-aged; active. "Statim," 156 Lower Road, Clapton, E.5.

C APABLE; middle-age; unqualified; Dispensing, N.H.I., Counter, etc.; previous situation 8 years. "V.," 3 Rectory Square, Stepney, E.1.

C HEMIST, 31, qualified, experienced all branches, requires post. "G.," Werfa, Heullan, Cards.

D EVON OR WEST.—Unqualified, seeking a change, desires a berth in (Devon preferred); quick Dispensing, Photographic, Counter, Prescriber; capable of management; moderate salary. 113/10, Office of this Paper.

D TAIT, M.P.S., Montgomery, Mont., thoroughly recommends J. Stephens, his late apprentice; experience, Counter, Dispensing, Photo; keen student.

D ISPENSER-BOOK-KEEPER desires post; experienced; Western or Midlands for preference. Miss Ellis, Papworth Hall, Cambridge.

E LDERLY M.P.S., accurate, competent Dispenser, healthy and active, seeks place of trust. W. H. Miller, 15 Priory Road, Spalding, Lincs.

E LDERLY, active Chemist desires employment as Superintendent, Manager, or other capacity; permanent or temporary; reliable; abstainer; highest testimonials; moderate remuneration. "M.P.S.," 37 Lady Margaret Road, Southall, Middlesex.

E XPERIENCED, active, mid-aged, married, abstainer, thorough and enthusiastic worker, desires permanency; unqualified; Rexall, Store, and Prescribing experience (good references), or would take position with view to succession, or Partnership if business not too large. 109/28, Office of this Paper.

E XPERIENCED qualified man desires part-time, by arrangement, preferably West-End; good Dispenser and expert Salesman. 115/25, Office of this Paper.

I MEDIATE; permanency only; good Counterman, Dispenser, seeks engagement; unqualified; excellent references; thorough experience Retail; West-End. Luck, 10 St. Stephen's Square, Bayswater. Phone: Park 3073.

J UNIOR; West-End experience; good Dispensing, Counter and Photographic. Peisley, 9 Canon Road, Hornsey, N.8.

J UNIOR Assistant; Manchester district; 5 years' experience, Dispensing, Counter and Photography; good reasons for leaving present position. 115/16, Office of this Paper.

J UNIOR, 22, tall, desires permanent situation; Dispensing, Counter; West-End experience; commence at once. 116/40, Office of this Paper.

L ADY Dispenser; 25; Hall Certificate; thoroughly experienced and reliable; disengaged January 19; West London preferred. 115/30, Office of this Paper.

L ADY Dispenser (Hall), experienced, requires post, temporary or permanent, with Doctor, Chemist or Institution; whole or part time; also Book-keeping-Typewriting. 115/35, Office of this Paper.

L ADY Dispenser (Hall) desires post with Doctor, Chemist, or Institution; good references. Stevens, 12 Sutherland Road, Tunbridge Wells.

L ADY Dispenser, just qualified (Hall), requires part-time post in West or South-West London. 116/2, Office of this Paper.

LADY Dispenser (Hall certificate) seeks post; can do Book-keeping and Typewriting. 116/4, Office of this Paper.

LADY Dispenser, qualified, best experience, highest references, good Book-keeper, desires post with Doctors or firm of Chemists; would take Locum. 116/35, Office of this Paper.

LOCUM or emergency relief; disengaged; experienced; competent; reliable; highest references; reasonable terms. "Chemicus," 56 Rudloe Road, Clapham Park, S.W.12.

LOCUM or permanency; varied experience; highest references; last post 9 years; personal interview if desired. "M.P.S.," 97 Westbourne Road, Birkenhead.

LONDON (West, City or South).—Excellent experience in West-End, suburbs, Harrogate, spread over 6 years; Dispensing, Photographic, high-class Perfumery; requires Materia Medica to qualify; disengaged when required; good references; age 22. Mote, 110 Wallwood Road, Leytonstone.

LONDON.—Assistant, age 25, desires post; 8 years' high-class experience, Dispensing, Counter, Photography; interview if desired. 115/5, Office of this Paper.

MALE Dispenser; many years' Hospital and Surgery experience; excellent references; home or abroad. Stephen, 26 Beaumont Avenue, Richmond, Surrey.

MANAGER; 35; qualified; West-End and provincial experience; used to buying, brisk Counter trade, and wines; obliging; free one month. 115/14, Office of this Paper.

MANAGER, 46, qualified, reliable, good all-round experience, seeks permanency; excellent references. Veale, 24 Osborne Villas, Hove, Sussex.

MANAGER or Assistant; unqualified; 45; Dispensing, Counter, Windows, Photographic, etc.; excellent references. "A. B.," c/o D. C. Foster, Chemist, 60 Exmouth Street, Clerkenwell, E.C.1.

MANAGER; qualified; 37; married; good experience; available soon; living accommodation desirable. Pickering, 40 Dimsdale View, Wolstanton, Staffs.

MANAGER, one-man Drug Store, with option of future purchase of genuine little business. "R.," 10 Foreign Street, S.E.5.

MANAGER, qualified, active and experienced, at liberty, desires position. Briggs, 8 Brooke Street, Dudley.

MANAGER; experienced man; energetic; reliable; good Salesman, Prescriber, etc., business builder, prefer Store, not Dispensing, Counter, Sales. Address, "Energy," 116/39, Office of this Paper.

MANAGER, qualified Chemist and Optician, desires permanency; London or Suburbs; good business ability and experience; first-class references; own Optical outfit. 116/3, Office of this Paper.

MANCHESTER OR DISTRICT.—Wanted, a situation as qualified Assistant or easy berth by elderly qualified Assistant. "D.," 87 Seymour Road, Clayton, Manchester.

M.P.S., SCOT, 50, desires Managership of good-class family business; living accommodation preferred; ex "Allenbury" man with "Stores" experience; in full control, buying, etc., for past five years; salary from £6, or equivalent; permanency. 140/885, Office of this Paper.

M.P.S., YOUNG; good experience of Dispensing, Counter, Photographic, Agricultural; excellent references. Warren, "Lucerne," Yarrow Road, Grimsby.

M.P.S., 24, with London and Provincial experience, desires situation; excellent references; disengaged. 116/28, Office of this Paper.

NORTH LONDON.—Evenings from 6 p.m., Dispensing, Doctor or N.H.I.; experienced. H. Ward, 41 Albert Road, Stroud Green.

PART-TIME.—Lady, unqualified, 12 years' experience Dispensing and Counter, requires berth, day or evening; Manchester or district; highest references; P. 1. 116/26, Office of this Paper.

PHARMACIST, 46, looking for own business, will undertake short period engagements; thoroughly capable all round; very energetic; present engagement terminates January 22 approximately; phone Sydenham 2406. "M.P.S.," 42 Wheathill Road, South Norwood.

PHARMACIST, 36, married, requires position as Manager; permanency; experienced and reliable; abstainer; Midlands or Northern Counties preferred. 140/895, Office of this Paper.

QUALIFIED, young, over 6 ft., seeks progressive post; present employer 5½ years; 1½ years as manager; used to hard work; brisk business; large N.H.I.; North-West preferred; free usual notice. 107/33, Office of this Paper.

QUALIFIED Manager, 37, single, desires post in or near London if possible; good all-round experience (London and country). 102/25, Office of this Paper.

QUALIFIED; educated; 26; provincial and West-End experience; situation home or abroad. H. Smith, 24 Tavistock Square, W.C.1.

QUALIFIED Pharmacist; elderly; active; highest testimonials; moderate terms; disengaged. "M.P.S.," Tamar House, Beaulieu Road, Christchurch.

QUALIFIED; 35; best London and Provincial experience; permanency or temporary; London. Cohen, 16 Cambridge Street, Hyde Park, W.2.

QUALIFIED man, with qualification in Optics (F.S.M.C.), registered J.C.Q.O., seeks situation in good-class provincial business. Neave, 27 Bromley Road, London, S.E.6.

QUALIFIED, 24, disengaged, experienced Dispenser, desires permanency. Brierley, Draycott, Derby.

QUALIFIED; 31; Branch Manager or Assistant; at liberty; good references; moderate salary. F. R. Smith, 34 Welbeck Avenue, Southampton.

QUALIFIED, 23, disengaged, good references, accurate Dispenser, good Counterman, seeks situation in good-class London pharmacy; West preferred. "A. R. W.," 222 Shilbourne Road, Bournemouth.

QUALIFIED (26), all-round experience, desires Managership or progressive position; 5 ft. 10 in.; good appearance. "L.," 35 Tregarvon Road, London, S.W.11.

QUALIFIED lady (young) desires Locum period, 1-3 months or less; any district. Apply 118/7, Office of this Paper.

REFERRED PHARMACY.—Capable Assistant, age 22, tall, good appearance, 5 years' experience in all branches, requires situation, temporary, part-time, or permanent, in London or East Anglia; excellent references; free January 21. 113/16, Office of this Paper.

REFERRED Part II Student requires part-time engagement immediately; age 22. W. Eccles, 115 Malvern Road, West Kilburn, N.W.6.

STOCK-KEEPER requires post; 8 years' experience chemist shop and storeroom. Apply L. Bagnall, 88 Main Street, Rotherham.

UNQUALIFIED; 20 years' varied experience (London and country); single; good credentials; now disengaged. "Chemicus," 56 Norroy Road, Putney, S.W.15.

UNQUALIFIED Assistant (Part I), age 19, requires situation. Bougourd, Bitterne Pharmacy, Southampton.

UNQUALIFIED; experienced; 50; poet urgently required; adaptable; would take any job connected with the trade. Ball, Ely, Cambs.

UNQUALIFIED; age 24; disengaged; passed Preliminary examination; accustomed to N.H.I., Counter and Photography; country town preferred; state salary. Long, 35 St. Mark's Road, Salisbury.

WEST-END.—Qualified Manager or Assistant; accustomed to high-class French and American business; experienced. P.C.B. 83/11, Office of this Paper.

WHOLESALE.

A COMPETENT Tablet Maker, 20, 3 years' all round, also experienced in the Manufacture of Medicinal and Toilet Preparations, seeks position. Write "F. M.," 50 Woodside Gardens, Tottenham, N.17.

A THOROUGHLY well-known London Representative, with own car, would consider appointment with a first-class house; 16 years' undeniable references. 140/881, Office of this Paper.

A VERY well-known gentleman is open to re-engagement by first-class house; salary and expenses; Midlands, South and West of England territory; exceptional references. "G.," 18 Clare Avenue, Hoole, Chester.

A N experienced, well-known Import and Export Agent desires position with a first-class firm as Buyer or Export Sales Manager; 30 years' experience, home and abroad; speciality Toilet Requisites, etc. Reply 139/865, Office of this Paper.

A NY Wholesale House of repute require reliable, full-time Representative, liberal security, 35 years' experience Wholesale and Retail, age 48, highest references? 113/8, Office of this Paper.

A DVERTISER, 36, married, seeks post, any capacity, with London Wholesale house; thoroughly experienced Despatch, Stock and Valuation, Returns and Credits, and as Representative; energetic; conscientious; undeniable references. 115/28, Office of this Paper.

CHEMIST Assistant, 9 years' Retail, desires progressive position with Wholesale firm; age 24; energetic; not afraid of work. 116/31, Office of this Paper.

CHEMIST'S Assistant, 25, 8 years Retail, seeks progressive post with Wholesale House. P.C.B. 83/3, Office of this Paper.

All Unqualified Assistants, Dispensers and Apprentices
should join at once

THE NATIONAL UNION OF DRUG & CHEMICAL WORKERS
(Incorporating the National Association of Chemists' Assistants)

BENEFITS: Trade Protection—Legal Aid—Unemployment
Benefit—Free Use of Employment Bureau

Write for particulars:—**ARTHUR J. GILLIAN, Gen. Sec.**
149 Newington Causeway, LONDON, S.E.1

EXPERIENCED Representative (Ph.C.), Medical and Pharmaceutical, United Kingdom or Continent, desires post with first-class house; fluent French. P.C.B. 83/10, Office of this Paper.

GENTLEMAN, now open to represent first-class Proprietary Soap or Toilet House; salary, commission and expenses; Yorkshire or N.E. Coast. Apply 116/32, Office of this Paper.

MR. W. G. BEISLY, Perfumery Specialist, with intimate knowledge of all parts of the trade, seeks appointment with a firm where qualifications could be used to advantage. "Sunnybank," Rawdon, near Leeds.

PHARMACIST can highly recommend married man, aged 30, for any position where strict integrity is essential; hard worker, capable, obliging, with experience of the various branches of Drug trade; indoor or road. Further particulars, 112/33, Office of this Paper.

PHARMACIST, 28, energetic, ambitious, desires progressive post with Wholesale firm in London area; free one month. 116/29, Office of this Paper.

QUALIFIED, age 32, tall, desires position with Wholesalers or Manufacturers; thoroughly experienced all branches of Retail; no connection, but well known to many Doctors and Chemists in Home Counties; excellent testimonials; workable knowledge of French and France. Reply to P.C.B. 83/7, Office of this Paper.

REPRESENTATIVE, well-known Chemists, Stores, etc., desires appointment first-class house; London preferred; expenses, commission. P.C.B. 83/2, Office of this Paper.

REPRESENTATIVE, 15 years' experience Drugs and Sundries, desires represent progressive house on salary and commission basis. Webbey, 27 Waller Road, S.E.14.

REPRESENTATIVE, extensive connections South Wales, Midlands, open to represent good house, Sundries or Proprietaries; terms, salary and expenses. 115/31, Office of this Paper.

SALESMAN, 24, 7 years' experience, wishes to represent Wholesale House on the South Coast or West of England; comprehensive knowledge of Galenicals, Toilets and Sundries; unimpeachable references and car experience; advertiser, who is ambitious and anxious to progress, would accept a very moderate salary to commence. Please write 116/30, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

CHEMIST, qualified, Irish Free State, well educated, excellent experience and references, good appearance, healthy, not afraid of work, 24 years, desires position as Chemist or Assistant abroad or on board liner. 105/58, Office of this Paper.

FOR SALE.

FOR SALE, Chemist's Stock, Shop Fittings, etc.; prompt application necessary as premises have been sold. Apply "Chemist," 57 Above Bar, Southampton.

RARE BARGAIN.—1½ gross 11/10th 10 ct. Gold-filled Spectacles; good measurements; one eye; £5 per half gross; cost double. Chave & Jackson, Ltd., Hereford.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes), Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

MISCELLANEOUS.

CHEMIST FITTINGS.—Complete Fittings in stock. Ranges of Drug Drawers with glass labels, shelving and lockers, glass-fronted Counters, Dispensing Screens, Wall Cases, etc.; all made in sections which any local man can fix. Also Second-hand Fittings, Shop Rounds (ribbon and recess labels); Cash Tills from 15s. 6d. Kwik-Sale Case, special Chemist design. **D. MATTHEWS & SON**, Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive fee. Advice free. **A. B. SLACK**, 15 Christ Church Avenue, West Didsbury, Manchester.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 219 Old Street, London, E.C.1.

£90.—10 ft. Drug Fitting, comprising cupboards, drawers, lockers, cornice and shelving; 8 ft. Serving Counter with glass cases in front; 6 ft. Dispensing Screen and Counter; 6 ft. Wall Case, Perfume Case and Desk; Counter Drawers; mahogany; packed and free on rail London. **PHILIP JOSEPHS & SONS, LTD.**, 90 and 92 St. John Street, Clerkenwell, London, E.C.1. "Pharmacy Fitters for Over a Century."

£95 FOR A COMPLETE SET of Pharmacy Fittings, ready for immediate use, 10 ft. mahogany Drug Fitting with showcase, drawers, cupboards, shelving, etc.; 6 ft. Wall Case in two heights; 6 ft. Dispensing Screen with showcase and bevelled mirror in centre; 10 ft. mahogany Serving Counter with cases in front; two nests of Counter Drawers; plate-glass Counter Case, Perfume Showcase and Desk, Check Till. **PERCY R. E. JOSEPHS**, 68 Old Street, 1/5 Talney Court, London, E.C.1. Phone: Clerkenwell 0929.

£95.—12 ft. DRUG FITTING, comprising cupboards, drawers, lockers, show case, shelving and cornice above; 6 ft. Dispensing Screen, mirror centre; 8 ft. Wall Case in two heights, 10 ft. Counter with glass cases in front; Perfume Desk and Case. **TREBLE'S**, 549a Lea Bridge Road, Leyton, London, E.10. Pharmacy fitters for over a century.

£98.—SET OF MAHOGANY FITTINGS.—10 ft. Drug Run, 30 drawers (glass knobs and labels), shelves, cupboards and lockers; 10 ft. glass-fronted Counter, drawers at back; 8 ft. Wall Case, 6 ft. Dispensing Screen, Perfumery Showcase and Desk, 3 ft. Counter Case, and Cash Till. Illustrations on request. **E. BERG, LTD.**, 336 Old Street, E.C.1.

EXCHANGE COLUMN.

FOR DISPOSAL.

WATER BED, 3 ft. by 6 ft.; unused; offers. 112/15, Office of this Paper.

ELEVEN PAIRS DENTAL FORCEPS.—What offers? as new. Goodwin, 24 Springfield Road, King's Heath.

BEARDS' OXYGEN REGULATOR, with T-piece and gauge, 30s.; Beards' Hydrogen Regulator, 15s.; Hydrogen Pressure Gauge, 16s. 6d.; set 50 Minerals, in case, 7s. 6d. Wiggins & Son, Ipswich.

WANTED.

JOB LINES in Gum Sandarac. Any quantities, price and sample, to A. E. Wyer, 57 Copthall House, London, E.C.2.

SHOP ROUNDS, Jars, Scales, Weighing Machine, Pill Machines, Silent Salesman, and other Show Cases, second-hand. **Strood Pharmacy, Ltd.**, Strood, Kent.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books.

TABLET MACHINE, Bottle Filling Machine and a Sifter and Mixer for powders, for cash. Full particulars, **Dawsous, Chemists**, Ponders End, Middlesex.

Where Quality & Price Go Hand in Hand

Our policy and aim has always been—*quality first*; then, and then only, *price*.

We have never manufactured down to a price and never shall, but the ever-increasing demand for our products enables us to manufacture economically, with the result that our prices are, to say the least, worth knowing.

Now as to our Manufacturing—it is worth putting on record that we apply searching tests for *purity* and *strength* to all our products.

Close attention to these important points, coupled with modern methods in manufacture, ensure the unvarying high standard of our pharmaceutical preparations.

WE MAKE FULL USE OF THE PHARMACEUTICAL
SOCIETY'S BIOLOGICAL LABORATORIES FOR
PREPARATIONS OF ERGOT, SQUILL, DIGITALIS
AND STROPHANTHUS.

HOUGH, HOSEASON & CO., LTD.
MANCHESTER.



THE BRITISH DRUG HOUSES

LIMITED



RADIO-MALT

Exceedingly palatable
Contains all three
Vitamins A, B & D
necessary for
promoting growth,
feeding the nerves,
stimulating
the appetite,
the formation of
bones & teeth,
and the
prevention of Rickets



RADIO-MALT
For Radiant Health



RADIO-MALT

Physicians
prescribe it
For all Children
from infancy upwards
to ensure proper
growth
For Children and
Adults alike, to
induce & maintain
a healthful condition
For the expectant
and nursing Mother

NOW READY.

NEW 'RADIO-MALT' SHOW SCREEN

Designed and executed in first class style, this artistic showcard will be an ornament to any pharmacy.

On the centre panel is mounted a direct photographic print. The original study was specially carried out for the B.D.H. by Mr. John H. Gear, Hon. F.R.P.S.

The centre (photographic) panel and both side panels can be supplied separately for use inside the pharmacy, or for any position where space is insufficient for the entire three-fold screen.

It pays you to show and sell 'RADIO-MALT.'

GRAHAM STREET, CITY ROAD, LONDON, N1